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U. S. Department of Agriculture

Catalogue
"Sterling Quality" Seeds
1930



A Real reason for a Rock Garden
"Beach Point" at South Portland, Me.

ALLEN, STERLING & LOTHROP
49 Exchange Street - 64 Market Street
Portland, Maine.



Information and Suggestions to Customers

Free Delivery

We deliver "Sterling Quality" flower and vegetable seeds *free* to any address in the United States when purchased by the *packet, ounce, half pound* and *pound* excepting peas, beans and corn. Kindly add sufficient amount to cover postage on these items.

Orders

Should be written on our order sheet or on a blank sheet separate from letter, preferably in ink. *Be sure to sign your name and give your address.*

Telephone Orders

Will be given immediate attention. Call Portland: Forest 624 or Forest 625.

Non-Warranty

We give no warranty, express or implied, as to quality, description, productiveness, or any other matter of any seeds, bulbs or plants we send out, and will not be in any way responsible for the crop.

PARCEL POST RATES APPLYING TO MDSE. MAILED AT PORTLAND P. O.

Weight limit 1st, 2nd, and 3rd zones, 70 lbs.; in other zones, 50 lbs. Bulk limit to all zones, 84 inches. Poisons (Insecticides) cannot be sent by parcel post. Liquids and goods packed in glass should be sent by express.

			First Pound	Each Additional Pound	Weight Limit
Portland and Rural Delivery	Local		7c.	1c.	70 lbs.
Within 150 miles	Zone 1 and 2		7c.	1c.	70 lbs.
150 to 300 "	"	3	8c.	2c.	70 lbs.
300 to 600 "	"	4	8c.	4c.	50 lbs.
600 to 1,000 "	"	5	9c.	6c.	50 lbs.
1,000 to 1,400 "	"	6	10c.	8c.	50 lbs.
1,400 to 1,800 "	"	7	12c.	10c.	50 lbs.
1,800 miles and over	"	8	13c.	12c.	50 lbs.

DUBOIS Woven Wood Fence

BEAUTY , PROTECTION , PRIVACY

for Estates, Suburban and City Homes, Gardens
Laundry Yards, Front and Side Lawns, *Etc., Etc.*

From a famous wood-working factory in France comes Dubois Woven Wood Fence.

It is made of split, *live*, chestnut saplings which have first been carefully matched and then woven together against horizontal braces to form a solid screen.

Only the straightest saplings are chosen and the work is done entirely by hand. This makes for a perfection of form that machine-split fencing cannot duplicate. The wire used in binding the saplings is Copperweld, which not only possesses great strength but is absolutely rust-proof.

Dubois is shipped just as it is imported, in 5 ft. sections, and is easily handled. It comes in six heights, 10', 8', 6', 6", 4' 11", 3' 10", and a special new 18" height for bordering flower beds. It is also made up into charming gates, either curved or straight at the top. Special designs, blending the various heights, can be made upon order if desired.



Ask for Special Dubois Catalogue!



1930 Catalogue

of "Sterling Quality" Seeds

Garden, Field, Flower and Lawn

Following our custom of recent years this catalogue is essentially a *Seed Catalogue* containing only a few of the many items we carry in our general lines.

Our complete stock includes an extensive line of

Barn Equipment, Dairy and Poultry Supplies, Sprayers,
Insecticides, Farm and Garden Tools, Plants,
Bulbs, Janitor's Sundries, Fertilizers, Etc.

Our Cover

We are particularly fortunate this year in being able to show on our cover a *real reason* for the very popular rock garden. The natural outcroppings of the ledge through the lawn make an ideal setting and reason for this rock garden. We are deeply indebted to the Misses McDowell of Cape Elizabeth for permission to use this picture.

On page 37 of this catalogue we have listed for your convenience many varieties of Rock Garden Seeds.

ALLEN, STERLING & LOTHROP.

Sheep's Head Brand

Pulverized Sheep Manure



For the lawn there is nothing better than sheep manure, and its convenience makes it the logical fertilizer.

Sheep manure is probably more largely used in greenhouse growing of flowers and vegetables for market than any other fertilizer, because

it is safe, can be relied upon for quick, sure results. It is unequalled for either dry or liquid top-dressing, especially for carnations, chrysanthemums, asters, and other hardy floral crops.

5 lbs. 35c., 10 lbs. 50c., 50 lbs. \$1.75, 100 lbs. \$3.25.



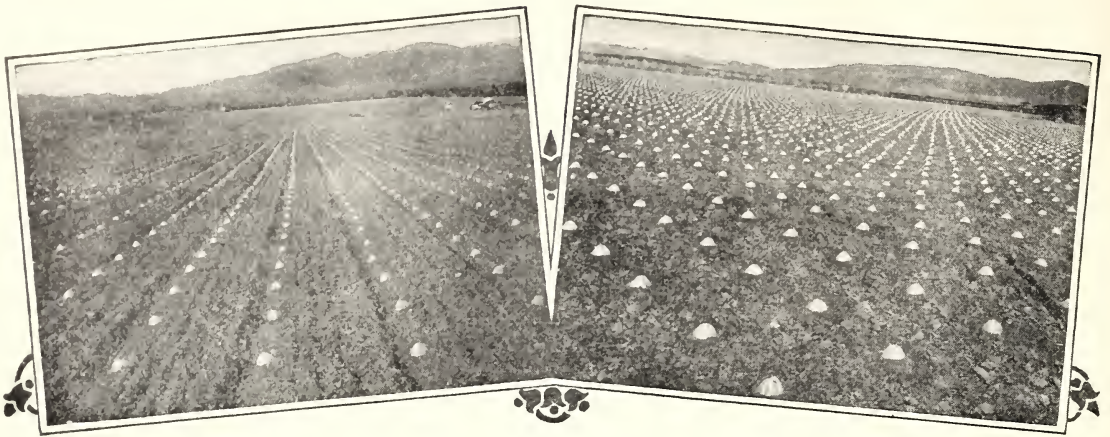
Lōma, the scientifically-prepared plant food, will give you results that are startling. Lawns velvety green; flowering plants sturdy, full-bloomed and tall; vegetables such as you have never had before. Lōma is rich in nitrogen. Agricultural experts will tell you that this is the most vital plant food. Lōma works quickly. In a week's time you can see the difference in your lawn.

5-lb. carton, enough for	
10 ft. x 10 ft.....	\$.60
10-lb. bag, enough for	
10 ft. x 20 ft.....	1.00
25-lb. bag, enough for	
20 ft. x 25 ft.....	2.00
50-lb. bag, enough for	
25 ft. x 40 ft.....	3.50
100-lb. bag, enough for	
40 ft. x 50 ft.....	6.00



State
Distributors

Germāco
Hotkaps



Earlier Crops Mean Higher Prices!

*This Proved Method of Plant Protection
Means Big Profit to You Next Year*

The illustration above shows what Germaco HOTKAPS mean to growers of all vine crops. The plants illustrated were sown in a seeder. HOTKAPS were placed over spots in the row. Note how quickly the plants under them have grown—the head-start they have in the race for high priced markets.

HOTKAPS cost you little to use and bring big profits. They save you worry, too, over frost, wind, hail, rain, insects and ground crusting. They put each of your plants under a hothouse to grow quicker and hardier—without danger of loss.

Write us today about these profit makers. Or simply order the supply you need for next season.

Prices: 1,000 lots, \$11.50; 5,000 lots, \$11.00; 10,000 lots, \$10.75. 250 trial package, including special type garden setter, \$4.00; Germaco steel HOTKAP setter, \$2.50.

If you need HOTKAPS for your backyard garden, note these prices: 50 with special setter, \$1.50; 100 with garden setter, \$2.25; garden setter alone, 50 cents.

1. Place HOTKAP
in Setter.

2. Place Setter
Over Seed or
Plant.

3. Press Setter
 $\frac{1}{4}$ Inch in
Ground.

4. Place Small
Amount of
Dirt Around
Edge of Setter.

5. Remove Setter
from HOTKAP.
One Man can
Place 3,000
HOTKAPS Per
Day.

Germāco
Hotkaps



DESCRIPTIVE GENERAL LIST

"STERLING QUALITY" VEGETABLE SEEDS

Note—We deliver postpaid to any post office within the U. S. vegetable seeds in packets, ounces, and pounds, except beans, corn, and peas. If these are desired by parcel post, add regular parcel post rates as found on inside cover of this catalogue.

Asparagus Seed

Sow the seeds thinly in April or May in rows one foot apart and one inch deep; when the plants are well up, thin to 3 or 4 inches apart in the rows.

One ounce will produce about 200 plants, 4 to 5 pounds to the acre.

Washington. A rust resistant variety of vigorous growth and excellent quality. The tips are tight and firm and do not open out until well out of the ground. Recommended for the home and market garden. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

Asparagus Roots

Plant in rows 3 feet apart and 1 foot in the rows, covering the plants about 6 inches.

The soil should be thoroughly manured and trenched, at least 2 feet.

We offer strong two year old roots grown from selected seed in the following varieties. (See description of seed.)

NOTE—As the Washington has proven to be the best variety produced, we are offering only this variety this season.

Washington, 100 roots, \$2.00. Postpaid, \$2.25. Special quotations by the thousand.

BEANS—Dwarf or Bush, Green Podded

Plant in light, warm soil in the spring when danger from frost is past, in drills from 2 to 3 feet apart, covering about 2 inches deep. Sow every two weeks for a succession. Cultivate frequently until they blossom but only when dry.

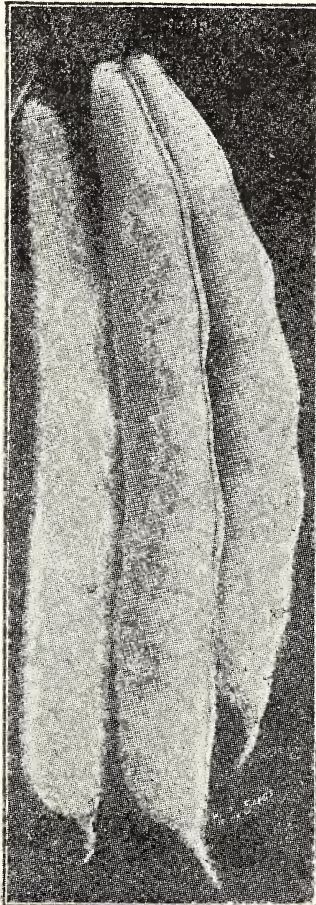
If wanted by Parcel post, add postage.

Two pounds will plant 100 feet of drill

Bountiful. Early and prolific, flat green pods, very tender. Pkt. 20c., lb. 40c., 2 lbs. 75c.

Burpee's Stringless Green Pod. Combines unusual hardness, extreme earliness and wonderful productiveness. The pods are tender, brittle and of the finest flavor; always entirely stringless. Pkt. 15c., lb. 35c., 2 lbs. 60c., 15 lbs. \$3.50.

Burpee's Improved Bush Lima. Compared with Burpee's Bush Lima, both pods and beans are very much larger, while the beans, either green



or dry, are nearly twice as thick and ready to market eight to ten days earlier.

Pkt. 20c., lb. 40c., 2 lbs. 75c., 15 lbs. \$3.75.

FRENCH'S DWARF HORTICULTURAL. This is a bean of the Horticultural type. Pods remarkably large, many containing seven beans, beautifully splashed with bright crimson. Never spots or rusts. The vines are vigorous and productive, inclined to send out runners, which do not affect the bean in any way. Very popular with market gardeners. Pkt. 20c., lb. 40c., 2 lbs. 75c., 15 lbs. \$3.75.

Low's Champion. Very early, absolutely stringless, exquisite flavor, very productive. One of the finest snap beans, an excellent shell bean, and is of splendid flavor when cooked dry. Pkt. 15c., lb. 35c., 2 lbs. 60c., 15 lbs. \$3.50.



BEANS—Dwarf or Bush, Green Podded (ct'd)

Refugee or 1000 to 1. The pods are fleshy and remarkably solid. They are brittle in texture and mild in flavor, but have slight strings. Somewhat later than the other green-podded sorts, but widely grown on account of its productiveness. Refugee is much grown for canning. The pods measure from 5 to 5½ inches in length. The flavor is good.

Pkt. 15c., 1 lb. 35c., 2 lbs. 60c., 15 lbs. \$3.50.

Low's Champion. Very early, absolutely stringless, exquisite flavor, very productive. One of the finest snap beans, an excellent shell bean, and is of splendid flavor when cooked dry.

Pkt. 15c., 1 lb. 35c., 2 lbs. 60c., 15 lbs. \$3.50.

Broad Windsor. (English.) Plant as early in the spring as the ground can be worked, from 2 to 4 inches apart in drills 3 feet apart, cover the seed about 4 inches.

Pkt. 20c., 1 lb. 40c., 2 lbs. 75c.

Red Kidney. Fine for baking and a good shell bean.

1 lb. 30c., 2 lbs. 50c., 15 lbs. \$3.00.

Snowflake Pea. The best small white pea bean, early and productive.

1 lb. 30c., 2 lbs. 50c., 15 lbs. \$3.00.

Yellow-Eyed (Old-fashioned). Very productive. Fine for baking, extensively grown as a dry bean for winter use.

1 lb. 30c., 2 lbs. 50c., 15 lbs. \$3.00.

Yellow-Eyed (Improved).

1 lb. 20c., 2 lbs. 35c., 15 lbs. \$2.25.

BEANS—Dwarf or Bush, Wax Podded

Black Wax, Pencil Pod. Pods are long, pencil like, tender and brittle. In color they are a rich, dark yellow, hardy and productive.

Pkt. 15c., 1 lb. 35c., 2 lbs. 60c., 15 lbs. \$3.50.

Burpee's Kidney Wax. An early and very productive variety, pods are entirely stringless and of fine quality. Free from blight and rust.

Pkt. 15c., 1 lb. 35c., 2 lbs. 60c., 15 lbs. \$3.50.

Improved Golden Wax. An early, hardy variety, flat, golden-yellow pods.

Pkt. 15c., 1 lb. 35c., 2 lbs. 60c., 15 lbs. \$3.50.

Sure Crop Stringless Wax. A wax-podded variety of remarkable growth and productiveness. Plants hardy and prolific; pods 7½ inches long and about ½ inch wide, of a rich yellow color, perfectly stringless, excellent for home and market gardens.

Pkt. 15c., 1 lb. 35c., 2 lbs. 60c., 15 lbs. \$3.50.

BEANS—Pole

Plant in hills 4 feet apart, 4 to 5 beans to a hill. Poles should be firmly set before planting.

Horticultural, or Speckled Cranberry. An old favorite, early and prolific; excellent quality either as a snap or shell bean or for cooking dry.

Pkt. 15c., 1 lb. 35c., 2 lbs. 60c., 15 lbs. \$3.50.

Kentucky Wonder, or Old Homestead. A long, green podded variety, very prolific and of fine quality and perfectly stringless.

Pkt. 15c., 1 lb. 35c., 2 lbs. 60c., 15 lbs. \$3.50.

Kentucky Wonder Wax. The best pole wax bean; it is similar in habit of growth to "Kentucky Wonder Green Pod."

Pkt. 15c., 1 lb. 35c., 2 lbs. 60c., 15 lbs. \$3.50.

Lazy Wife's. Beans white; pods green, very thick, meaty, entirely stringless; very productive.

Pkt. 15c., 1 lb. 35c., 2 lbs. 60c., 15 lbs. \$3.50.

Red Cranberry. The pods are green, large and tender; one of the best snap beans.

Pkt. 20c., 1 lb. 40c., 2 lbs. 70c., 15 lbs. \$3.75.

Yellow Cranberry. Early maturity and very long season. Excellent snap or shell bean. Very prolific, tender and free from strings.

Pkt. 20c., 1 lb. 40c., 2 lbs. 70c., 15 lbs. \$3.75.

Scarlet Runner. An ornamental climber with bright scarlet flowers.

Pkt. 10c., 1 lb. 45c.



BEET

Sow as early in the spring as the ground can be worked. For succession sow at intervals until the first of July. The soil should be well enriched with stable manure and plowed and harrowed until very fine. Sow in drills 15 inches apart and cover one inch. When well up thin out 4 inches apart in the rows.

One ounce to fifty feet of drill; six pounds to the acre.

EARLY WONDER. A fine early variety, the market gardener's favorite on account of its symmetrical form, dark color, small top and early maturity.

Pkt. 10c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Crosby's Egyptian. The roots are flattened, globe shaped and very smooth. Exterior color of root bright red. The flesh is bright vermillion red, zoned with a lighter shade, very sweet, tender and of excellent quality.

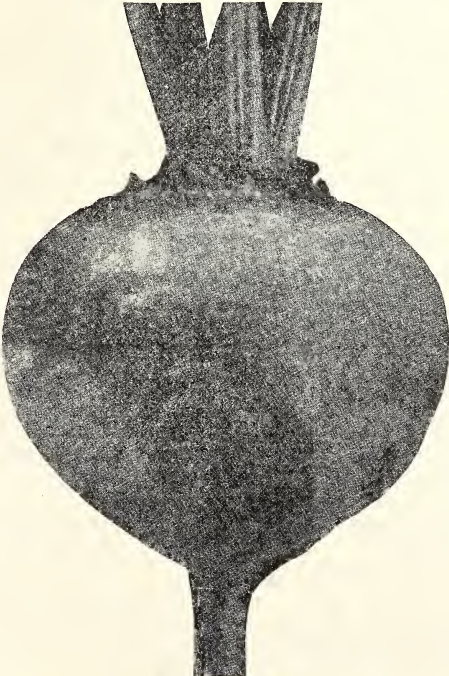
Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Detroit Dark Red. The best beet for the market and home garden. Tops small, upright in growth. Root medium-sized, globular or nearly round, very smooth, and of dark blood red color. Very desirable for bunching. Uniform in growth and unsurpassed in quality.

Pkt. 10c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Edmand's Blood Turnip. A medium early sort, deep red, popular with market gardeners. Our seed is grown from selected roots saved for seed.

Pkt. 10c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 35c., lb. 75c.



DETROIT DARK RED BEET

MANGEL WURZEL AND SUGAR BEET

Sow in drills 2 inches deep, about 2 feet apart, thin out to 10 inches apart. *Six pounds to the acre.*

Mammoth Long Red. This variety produces roots of mammoth size and is enormously productive. Yielding from thirty to forty tons per acre on well prepared land.

Oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 70c., 5 lbs. \$2.50.

Golden Tankard.

Recommended for dairymen on account of its milk-producing properties. The flesh is a rich golden yellow.

Oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 70c., 5 lbs. \$2.50.

Giant Feeding Sugar Beet or Half Sugar Mangel.

A strain of beets very desirable for stock feeding, affording not only a very large crop much easier to harvest than other sorts, but also having a higher nutritive value, being especially rich in sugar. Roots light bronze green above ground, grayish white below with white flesh.

Oz. 10c., $\frac{1}{4}$ lb. 35c., lb. 75c.



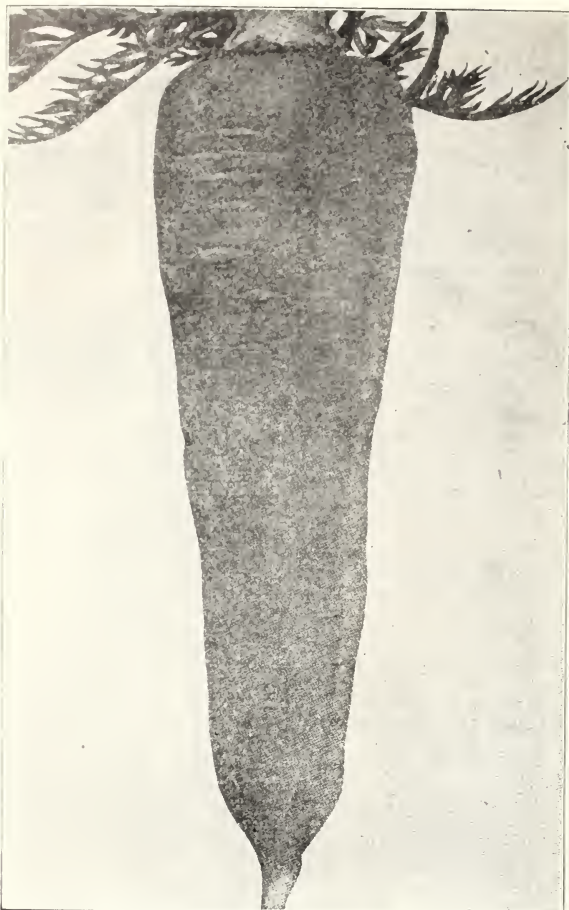
GIANT FEEDING SUGAR BEET, OR
HALF SUGAR MANGEL

Swiss Chard or Spinach Beet

The leaves are used as greens and served like spinach. The mid-ribs may be cooked like asparagus. Cuttings may be used all summer, as it can be cut down to the ground and new shoots will soon spring up and make fast growth.

Lucullus. The largest and best.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 45c., lb. \$1.25.



DANVERS' HALF LONG CARROT

Brussels Sprouts

Cultivate the same as cabbage. The sprouts resemble miniature cabbage and are very tender.

Improved Dwarf. A standard sort.

Pkt. 10c., oz. 50c., $\frac{1}{4}$ lb. \$1.50.

Improved Long Island. The finest variety, very compact sprouts.

Pkt. 10c., oz. 50c., $\frac{1}{4}$ lb. \$1.50

Broccoli

A vegetable much resembling cauliflower.

White Cape. The most desirable variety.

Pkt. 10c., oz. 60c.

Special Italian. Heads compact, of a good size, and most certain to head.

Pkt. 20c., oz. \$3.00.

Chervil

An aromatic sweet herb used for flavoring and garnishing.

Curled. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 85c.

CARROT

Carrots do best in a good, light and rich soil. Sow in April or May for the early crop, and for the main crop sow in May or June in drills about $\frac{1}{2}$ inch deep, in rows 14 inches apart, and thin plants to 3 or 4 inches in the rows.

One ounce to 100 feet of drill; four pounds to an acre.

Danvers' Half-Long. Special Market Gardeners' Strain. The best sort for the main crop, dark orange color, growing very smooth, yielding large crops, and is a splendid keeper; roots medium length, tapering uniformly to a blunt point. This selected stock we are now offering has been specially grown for market gardeners and is much superior to the ordinary strain of Danvers' Half-Long.

Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 65c., lb. \$2.00.

Hutchinson. A carrot of great length and cylindrical shape almost to the point, grows with tops slightly out of ground, a very heavy yielder per acre. Small circle of green on top of root out of ground portion.

Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

Chantenay. A medium early, half-long variety. The flesh is crisp and tender.

Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$1.75.

Improved Long Orange. Deep orange color, roots of large size and good keeper.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Guerande or Oxheart. Medium early roots, short and thick. The flesh is bright orange, fine grained and tender.

Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Nantes Half-Long Scarlet. A stump-rooted variety. Flesh fine grained, mild and sweet.

Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Cress or Peppergrass

Sow early in the spring on rich soil in drills 10 or 12 inches apart and make frequent sowing every two weeks. Cover seed about $\frac{1}{4}$ inch.

Extra Curled. Fine flavor, may be cut several times.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c.

Water Cress. Sow in the spring near the margin of ponds or running streams.

Pkt. 10c., oz. 60c., $\frac{1}{4}$ lb. \$2.00.



CABBAGE

The cabbage is an important crop and should be planted in fresh, rich soil, well manured and deeply dug or plowed. For early use sow in a hotbed in March, transplant to the open ground when danger from frost is past. Plant the early sorts about 18 inches in the rows and the late sorts about 2 feet in the rows and the rows about 3 feet apart. For the late crops sow in the open ground in June. Our cabbage seed is grown from selected stock and is equal to any offered in the market.

One ounce will produce about 2,000 plants.



COPENHAGEN MARKET CABBAGE

COPENHAGEN MARKET

An extra early variety; heads ball-shaped, large and solid, averaging in weight about 10 pounds. The most evenly-maturing and large heading early cabbage.

Pkt. 10c., $\frac{1}{2}$ oz. 25c., oz. 40c., $\frac{1}{4}$ lb. \$1.25.

Early Jersey Wakefield. A

standard early market variety, conical in shape and good quality; heads uniform and solid.

Pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 35c., $\frac{1}{4}$ lb. \$1.00.

Golden Acre. A First-Early

variety of the round-headed type. The head and leaves are a little smaller than that of the Copenhagen Market, and is ready to cut from 8 to 10 days sooner. It is wonderfully true to type.

Pkt. 15c., oz. \$1.50, $\frac{1}{4}$ lb. \$5.00.

A. S. & L. CAPE ELIZABETH

Selected seed grown for us at Cape Elizabeth, Maine—a section noted throughout the country for the excellency of its cabbage.

Heads hard, solid, tender and crisp. It is remarkable for its long-keeping qualities. One of the best shipping varieties.

Pkt. 10c., oz. 75c., $\frac{1}{4}$ lb. \$2.50.

All Seasons. Large heads, round and very solid and sure heading; nearly as early as the Early Summer.

Pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 35c., $\frac{1}{4}$ lb. \$1.25.

DANISH BALL HEAD.

This variety produces large, round and compact heads. One of the best keepers; plants vigorous and hardy, resisting cold and dry weather.

Pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 35c., $\frac{1}{4}$ lb. \$1.25.

Improved American Savoy. Large, solid round heads, of superior quality, tender and good flavor, the best variety for family use.

Pkt. 10c., $\frac{1}{2}$ oz. 25c., oz. 40c., $\frac{1}{4}$ lb. \$1.50.

Pe-Tsai, or Chinese Cabbage. A quick growing plant resembling Cos Lettuce.

Pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 35c., $\frac{1}{4}$ lb. \$1.00.

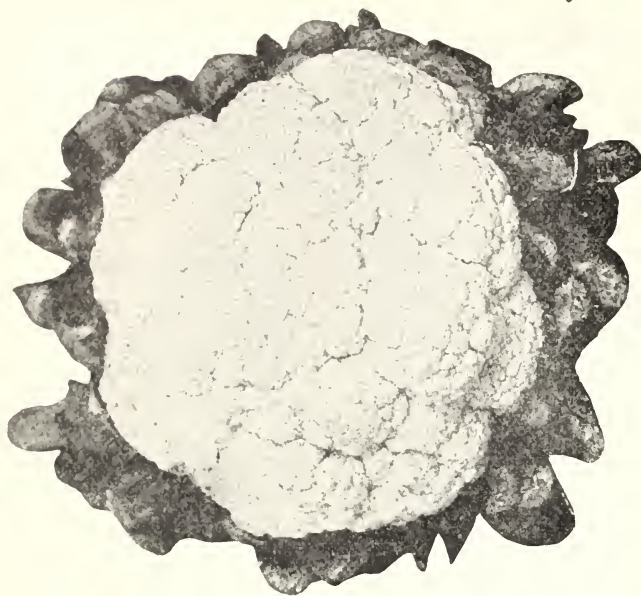
Red Danish Stone Head.

One of the largest and most solid and compact of the red varieties, sure heading and tender.

Pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 35c., $\frac{1}{4}$ lb. \$1.25.



DANISH BALL HEAD CABBAGE



CAULIFLOWER

The soil that will grow cabbage will grow cauliflower. It should be made richer and thoroughly worked before planting. For early crop, sow seed in hotbed or in boxes about six weeks before time to plant out. Transplant early in spring in rows 3 feet apart and 18 inches in the row. Plants should be cultivated often to be kept growing continuously. For the late cauliflower, plant in the open ground in June and transplant in July.

One ounce will produce 2,000 plants.

Earliest Dwarf Snowball. The earliest cauliflower in cultivation, absolutely sure to head when conditions are ordinarily favorable. Plants are very dwarf and of compact growth, with large firm, snow-white heads. Pkt. 15c., $\frac{1}{4}$ oz. 75c., oz. \$2.50.

Danish Giant or Dry Weather. This variety is about two weeks later than the Snowball. It is of dwarf growth, producing large hard and snow-white heads, fully protected by its foliage. Pkt. 15c., $\frac{1}{4}$ oz. 75c., oz. \$2.75.

CELERY

For early celery sow the seed of the self-blanching sorts in a hotbed early in the spring. As soon as the plants are 3 inches high, transplant into frames in well-enriched soil 4 inches apart. Cut them once or twice before setting them out in May or June to make them stocky. When about six inches high transplant into trenches wide enough to hold two rows. The rows should be about 1 foot apart and the plants set about 8 inches apart. For winter celery start the seeds in flats as for early, only a little later. As plants grow they should be earthed up to blanch, taking care not to cover the center of the plant.

One ounce of seed will produce about 4,000 plants.

Wonderful. This new variety of Celery, rightly named Wonderful, is of the Paris Golden family, but twice to three times its size, very fine quality, and very free from the stringy habit of the Old Golden.

Pkt. 15c., oz. \$1.50, $\frac{1}{4}$ lb. \$5.00.

Easy-Blanching. A first early variety, the stalks are very tender and brittle, and have a rich nutty flavor.

Pkt. 10c., $\frac{1}{2}$ oz. 50c., oz. 85c., $\frac{1}{4}$ lb. \$3.00.

Paris Golden Self-Blanching. (French grown, special gardeners' strain.) The finest early celery grown, easily blanched and of excellent flavor, solid and crisp.

Pkt. 10c., $\frac{1}{2}$ oz. 50c., 1 oz. 85c., $\frac{1}{4}$ lb. \$3.00.

White Plume. A desirable early variety requiring very little labor in blanching.

Pkt. 10c., $\frac{1}{2}$ oz. 30c., oz. 50c., $\frac{1}{4}$ lb. \$1.75.

Boston Market. White, solid, crisp and tender, the best late variety.

Pkt. 10c., $\frac{1}{2}$ oz. 40c., oz. 75c., $\frac{1}{4}$ lb. \$2.00.

Celeriac—Large Smooth Prague. An improved form of turnip-rooted celery, producing large, smooth roots, which are almost round and of fine flavor. It is mostly grown for the edible root and not for greens. Sow seed same as Celery, transplant into rows two feet apart and about six to eight inches in the row.

Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c.

Soup Celery. For flavoring.

Oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.



GOLDEN SELF-BLANCHING



SWEET CORN

Plant in hills 3 to 4 feet apart each way, dropping 6 seeds in each hill, or in drills 3 to 4 feet apart. The seeds should be covered about 2 inches. In this climate Sweet Corn should not be planted before the middle of May.

One pound will plant 100 hills.

If wanted by Parcel Post, add postage—See table page 2.

GOLDEN SUNSHINE

This variety is the earliest of all the yellow sorts, maturing fully ten days ahead of Golden Bantam. The ears are about 6 inches long, with 12 rows of large, sweet kernels. Invaluable for extra-early use.

Pkt. 15c., 1 lb. 35c., 2 lbs. 65c., 10 lbs. \$2.50.

Whipple's Early Yellow. This new variety has the flavor of the true Golden Bantam, and is earlier than many strains of corn bearing the name of Golden Bantam but which are not true to type.

Pkt. 15c., 1 lb. 35c., 2 lbs. 65c., 10 lbs. \$2.50.

Burpee's Golden Bantam. Early, hardy and of the most delicious flavor; being of a dwarf growth, the stalks can be grown closely together in the row.

Pkt. 15c., 1 lb. 35c., 2 lbs. 65c., 10 lbs. \$2.50.

DeLue's Golden Giant. Nearly as early as Golden Bantam and of fine quality. Much larger ears, being from 12 to 16 rows of golden yellow.

Pkt. 15c., 1 lb. 35c., 2 lbs. 65c., 10 lbs. \$2.50.

Bantam Evergreen. A cross between Stowell's Evergreen and Golden Bantam. Kernels are plump and full. The quality is very fine, being exceedingly sweet and tender. Ears 5 to 7 inches long.

Pkt. 15c., 1 lb. 35c., 2 lbs. 60c., 10 lbs. \$2.50.

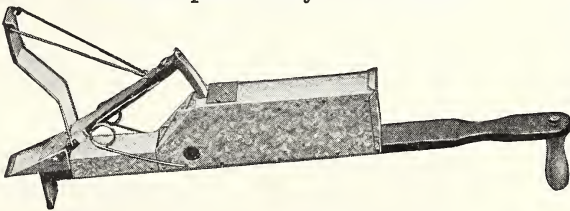
Early Crosby (Selected). An early and productive variety; growing very dwarf with ears set low, averaging from 16 to 20 rows; very sweet and tender. Desirable for both the market and private garden.

Pkt. 15c., 1 lb. 35c., 2 lbs. 60c., 10 lbs. \$2.50.

Stowell's Evergreen. A late standard sort of excellent quality.

Pkt. 15c., 1 lb. 35c., 2 lbs. 60c., 10 lbs. \$2.50.

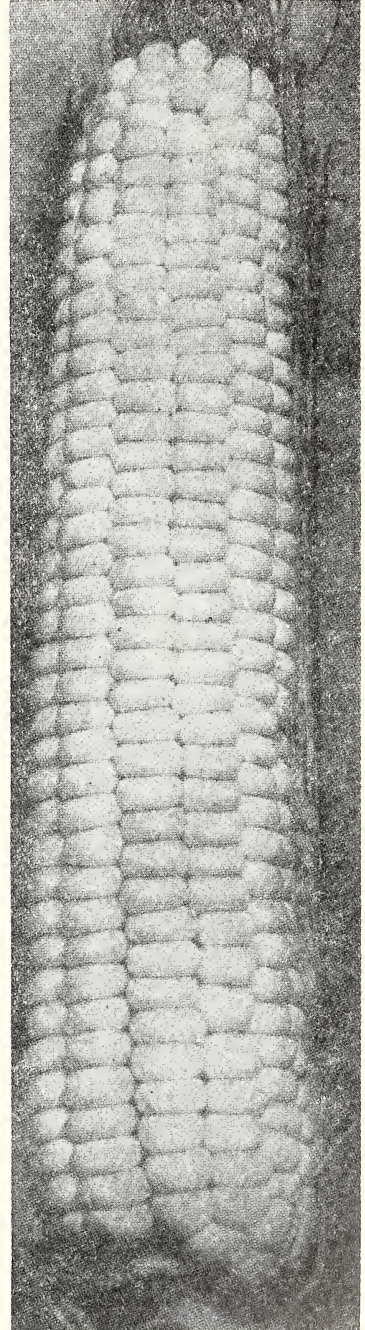
The Eclipse Rotary Corn Planter



Eclipses all others; has positive feed.

Four changes of discs. Eclipse is the easiest operating planter on the market.

Price, \$2.50



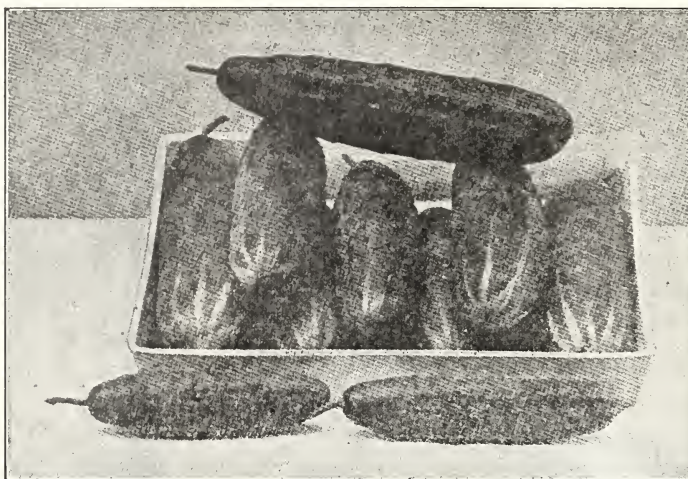
GOLDEN SUNSHINE



CUCUMBER

For general crop plant when the ground has become warm, in hills 4 feet apart each way. Thin out to 4 plants to each hill after all danger of insects is over. For very early cucumbers sow about April 1st, in a hotbed on a piece of sod, grass side down so that they can be easily transplanted to the open ground when danger of frost is over.

One ounce will plant fifty hills; two pounds will plant an acre.



WOODS HYBRID CUCUMBER

WOODS HYBRID. The best type of slicing cucumber. The color, a rich dark green, is retained a long time after it is picked. The flesh is white, crisp and tender. It is early and prolific, and for home or market, it is far superior to other sorts.

Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Boston Pickling. This variety is largely planted for pickles. Fruit medium size, smooth, light green and very productive.

Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$1.50.

Davis Perfect. For forcing or outdoors. The fruit is of fine form, of a rich dark green color, very few seeds, tender, brittle and of fine flavor.

Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Early Cluster. An early sort growing in clusters.

Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$1.50.

Early Frame or Short Green. A well-known variety used for slicing and pickling.

Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$1.50.

Early Russian. One of the earliest varieties, grows from 3 to 4 inches long.

Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$1.50.

Improved White Spine. One of the most popular varieties in cultivation. The fruit is light green with white spines, uniform in size and very productive.

Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$1.50.

Japanese Climbing. A quick-growing sort, throwing out tendrils which enable them to climb poles or trellises. Fruit from 12 to 16 inches long.

Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$1.50.

Klondike. A medium early cucumber of very dark green color and an excellent quality for slicing; vine very hardy and productive. The fruits, when mature, are about 8 inches long. Its uniform size and shape and splendid color make this variety very popular as a shipping sort.

Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$1.50.

Long Green. An old standard variety. Fruit from 10 to 12 inches long, dark green and crisp.

Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$1.50.

West India Gherkin. A small prickly variety grown only for pickles.

Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c.



DANDELION

One of the earliest and most popular of spring greens. Sow in May in drills 12 inches apart; cover the seed $\frac{1}{4}$ of an inch deep. The following spring the plants will be ready for cutting.

One ounce for 200 feet of drill.

Improved Thick-Leaved. A carefully selected strain; popular with market gardeners.

Pkt. 10c., oz. 90c., $\frac{1}{4}$ lb. \$3.00.

EGG PLANT

Sow the seeds in hotbeds very early in the spring and transplant when about three inches high into small pots or another hotbed. Do not plant out in the open ground until the weather has become warm and settled.

One ounce will produce about 1,000 plants.

New York Improved Purple. This variety produces fruit of large size, nearly round, dark purple and excellent quality.

Pkt. 10c., $\frac{1}{2}$ oz. 35c., oz. 65c.

Black Beauty. A valuable early sort, about ten days earlier than the New York Improved; color a rich purplish black.

Pkt. 10c., $\frac{1}{2}$ oz. 35c., oz. 65c.

ENDIVE

For early use sow as early in the spring as the ground can be worked in drills 15 inches apart. Transplant to 1 foot each way. When full grown tie the outer leaves at the top to blanch them.

One ounce will produce 2,000 plants.

Green Curled. A standard sort for fall and winter.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.25.

White Curled. A fine, white curled variety, self-blanching.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.25.

Broad-Leaved Batavian. A variety growing very compact, very tender and of fine flavor.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.25.

French Endive (Witloof Chicory). Plant the seed in drills 10 inches apart, in deep, rich soil. Thin to six inches apart. One of the finest winter salads grown.

Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. \$1.00.

KALE

Sow from May to June, broadcast or in drills, cover $\frac{1}{2}$ inch, cultivate the same as cabbage.

One ounce to 150 feet of drill.

Dwarf Green Curled Scotch. A fine, low-growing variety, the leaves densely crimped and curled; very hardy and productive.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 50c.

KOHL RABI

Seeds should be sown in drills as early in the spring as possible. When well established thin to 6 inches apart. The bulb grows entirely out of the ground.

Early White Vienna. A very early sort, excellent quality flesh white and tender.

Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c.

Early Purple Vienna. Similar to the above except in color.

Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c.

MUSK MELON

Melons succeed best in light, sandy rich soil. After all danger of frost is past plant in hills 4 to 6 feet apart each way, six to ten seeds to a hill. When about 3 inches high and all danger from insects is past thin out to 3 or 4 plants to a hill.

One ounce to 60 hills; two or three pounds to an acre.

Bender's Surprise. The Melons are of large size, nearly round, and present a fine attractive appearance. The skin is lightly netted, of a pale green when ripe and the flesh a rich, deep orange color, fine grained with a very small seed cavity and of remarkable sweetness and spicy flavor.

Pkt. 10c., oz. 50c., $\frac{1}{4}$ lb. \$1.50.

Emerald Gem. Fruit of medium size, very early and of fine flavor; flesh deep orange.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 50c.

Long Yellow. Very large, slightly ribbed and thickly netted; flesh salmon-yellow and sweet.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 50c.

Rocky Ford. A popular market variety. The fruit is oval, medium size, finely netted; flesh light green and very sweet.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 50c.

Honey Dew. A medium sized melon 5 to 6 pounds in weight, about 6 inches diameter and slightly oblong. Thick flesh, light emerald green in color.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 50c.

WATER MELON

Plant in hills about 8 feet apart and cultivate the same as for Musk Melon.

One ounce for 30 hills; four pounds for one acre.

Cole's Early. One of the best early varieties, medium size, nearly round, flesh dark red and excellent quality.

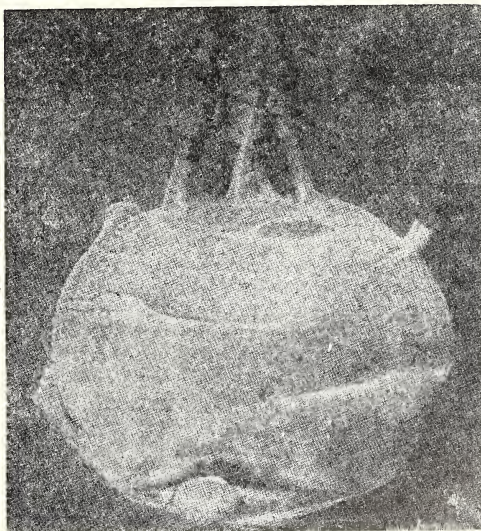
Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 50c.

Phinney's Early. Early and productive, flesh red.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c.

Citron. Used for preserves; white flesh, hardy and productive.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c.



KOHL RABI



LETTUCE

For summer use the seed can be sown in hotbeds in March. Transplant when the weather will permit in rows 12 inches apart and 8 inches apart in the rows. For a succession sow in the open ground every two weeks until fall. Lettuce requires a rich and a rather moist soil. The more rapid the growth, the better the quality.

One ounce of seed will produce about 3,000 plants.



Big Boston Lettuce

Big Boston. Fine for forcing or open-ground planting; large, solid heads.
Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c.

Boston Curled. Leaves beautifully curled, very attractive on table.
Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c.

Crisp as Ice. Large, solid heads, yellow heart, outside dark green and bronze.
Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c.

Grand Rapids. A very popular variety, leaves crimped, very attractive, matures quickly; the heads are dark green, very crisp and tender.
Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c.

Hanson. A large, solid variety.
Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c.

Iceberg. A very superior solid heading variety for out-door growing. Makes large, solid heads.
Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c.

Market Gardener's Private Stock. A strain of Black-Seeded Tennis Ball, very desirable for hotbed culture in winter and for withstanding heat in summer. A light green cabbage sort, forming hard heads.
Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 70c.

May King. Large, round, solid heads, one of the best varieties for planting in open ground.
Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c.

New York or Wonderful. The largest head lettuce, crisp and tender.
Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c.

Salamander. Medium size, light green, and forms a hard buttery head of fine quality.

Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c.

Tennis Ball, Black Seeded. A favorite variety for out-door crop; forms close, hard heads that are crisp and tender.

Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c.

Romaine or Cos Varieties

Paris White Cos. An early sort with long, narrow leaves.

Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c.

Trianon, Self-Folding Cos. Requires no tying to blanch; very crisp and tender.

Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c.

LEEK

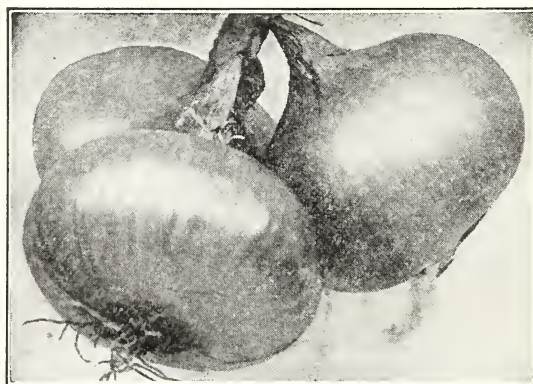
Plant in the spring in a light, well-enriched soil in drills 1 foot apart. Cover the seed about 1 inch and thin to 9 inches apart in the drills. Draw earth up to them as they grow.

One ounce of seed to 150 feet of drill.

American Broad Flag. A strong-growing sort with broad leaves.

Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c.

ONION SETS



Japanese Onions—From Sets

(Recleaned). Onion Sets should be planted as early in the spring as the ground is dry enough to work, in rows 12 inches apart and 2 to 4 inches apart in the rows.

If sent by mail add postage. See table, front cover.

Japanese Onion Sets. This onion will actually double the yield of any other onion set on the market. If the sets are planted early in the spring the onions will be ripe in July and can be used all through the fall and winter. It throws few seed stalks, is an excellent keeper and the flavor is mild and sweet.

Qt. (1 lb.) 35c., pk. (8 lbs.) \$2.00.



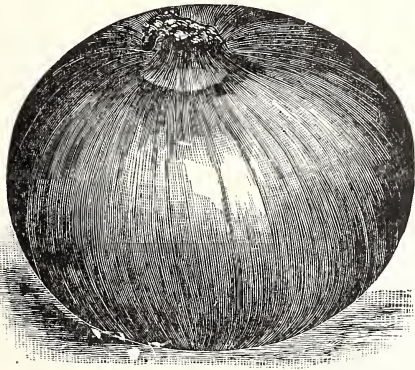
ONION

Sow the seeds as early in the spring as the ground can be worked in drills about 1 foot apart and cover about $\frac{1}{2}$ inch. Thin plants to stand from 2 to 3 inches apart in the drills. The soil should be made very rich and kept free from weeds.

One ounce to 100 feet of drill; five pounds to the acre.

Danvers Yellow Globe. The most profitable variety to grow, producing bulbs of globular form which ripen early and uniformly, producing large crops. The seed we offer was grown in New England from selected bulbs by a reliable grower of long experience. We cannot recommend this strain of seed too highly, not only on account of its great yield but also of its superior keeping qualities.

Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 90c.



DANVERS YELLOW GLOBE ONION

Large Red Wethersfield. The standard red, flat variety, large size, skin deep purplish red, a good keeper.

Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 90c.

Prizetaker. The largest yellow onion, flesh white and of mild flavor.

Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 90c.

White Portugal. One of the best white sorts; bulbs mature early, very mild flavor, the best to grow for sets.

Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 90c.

MUSTARD

Sow thickly in early spring in shallow drills or in boxes during the winter. Successive sowing may be made every ten days.

One ounce will sow about 75 feet of drill.

Chinese. Leaves twice the size of the ordinary White Mustard, which are curled and eaten boiled like spinach.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., 1 lb. 75c.

White London. The best for salads and flavoring.

Pkt. 10c., oz. 15c., lb. 50c.

PARSLEY

Soak the seeds a few hours in lukewarm water and sow early in the spring in rich soil in drills one foot apart, thin out the plants to 4 inches apart in the rows.

One ounce to 150 feet of drill.

Double Curled or Covent Garden. One of the best sorts, handsome bright green color; leaves finely crimped and curly.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 45c.

Fern Leaved. A fine strain, very dark green.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 45c.

Hamburg or Turnip-Rooted. The roots resemble a small parsnip; used for flavoring soups, etc.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 45c.

PARSNIP

Sow as early in the spring as the weather will permit in deep, rich soil in drills 18 inches apart, covering the seed slightly; thin to 5 or 6 inches apart in the rows.

One ounce to 100 feet of drill; five pounds to the acre.

Abbott's Improved Hollow Crown. The roots are smooth, tender and sugary; a heavy cropper.

Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$1.50.

Arlington Long Smooth. Roots long and smooth; a good market sort.

Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$1.50.

PEPPER

Sow the seed in hotbeds early in April. Transplant when 2 or 3 inches high to 3 inches apart. Transplant to the open ground about the first of June, in rows 2 feet apart and 18 inches apart in the rows. The soil should be rich and mellow.

One ounce will produce about 2,000 plants.

Large Bell or Bull Nose. Large and of mild flavor, largely used for pickling.

Pkt. 10c., $\frac{1}{2}$ oz. 35c., oz. 60c.

Long Red Cayenne. Bright red, long, slender pods, very pungent.

Pkt. 10c., $\frac{1}{2}$ oz. 40c., oz. 75c.

Pimento. A very thick fleshed sweet variety, uniform in shape and size. Color dark green changing to a brilliant red. Very desirable for salads on account of its fine flavor and superior quality.

Pkt. 10c., $\frac{1}{2}$ oz. 25c., $\frac{1}{4}$ lb. \$1.25.

Squash or Tomato-Shaped. Fruit medium size, early and productive.

Pkt. 10c., $\frac{1}{2}$ oz. 35c., oz. 65c.

Sweet Mountain. The fruit is very large and smooth, flesh very tender and mild flavored.

Pkt. 10c., $\frac{1}{2}$ oz. 35c., oz. 65c.

Sweet Italian. A superb variety of exceedingly mild flavor. Grows 6 to 7 inches in length and 2 to 3 inches thick at the base. Very attractive in appearance. The fruit is light green, turning bright scarlet.

Pkt. 10c., $\frac{1}{2}$ oz. 30c., oz. 50c.



GARDEN PEAS

Sow the early, smooth, round sorts as early in the spring as the ground can be worked, in light, dry rich, loamy soil. The wrinkled varieties are more tender and the seed is more liable to rot and should not be planted when the ground is cold and wet. The late varieties do not require as rich soil as the early and dwarf sizes. Sow in rows 3 to 4 feet apart and about 1 inch apart in the rows, 3 to 4 inches deep. Peas grown as a market crop are never staked, but when the taller sorts are grown for private use they are generally sown in double rows, 6 to 8 inches apart, and staked with brush. For best results all garden peas require good, strong, fertile soil.

One pound will plant about 50 feet of drill.

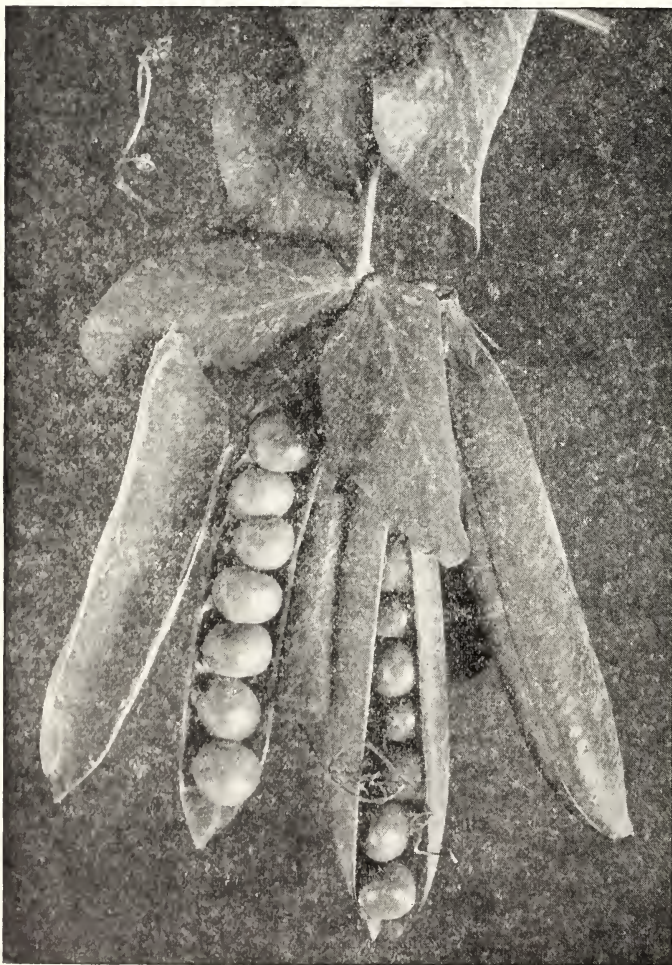
If wanted by Parcel Post, add postage—see inside cover.

Early Eight Weeks. One of the earliest dwarf Peas in cultivation, maturing in advance of the standard varieties. The plant attains a height of about 1½ feet, producing pods in great abundance.

Pkt. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

Gradus or Prosperity. The earliest and most popular of the large-podded, wrinkled peas; vines vigorous, bearing large pods from 4 to 4½ inches in length, filled with large peas of the finest quality and delicious flavor; height 3 feet.

Pkt. 20c., 1 lb. 35c., 2 lb. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.



GRADUS PEAS

Laxtonian. One of the most remarkable varieties yet introduced; very dwarf, growing only 12 to 15 inches high, producing pods in great abundance; nearly as large as the Telephone. The peas are large with a flavor the very sweetest and best. Pkt. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$2.00, 14 lbs. \$4.00.

Early Morn. Of Gradus type, the pods are large and well filled with peas of excellent flavor; height 3 feet.

Pkt. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

Little Marvel. A dwarf variety of even growth, about 18 inches in height; pods dark green, medium size, often produced in pairs; as early as Nott's Excelsior, equal in flavor and more prolific.

Pkt. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

Nott's Excelsior. A splendid early sort; pods are always well filled with large peas of delicious flavor. Height 15 inches.

Pkt. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

Sutton's Excelsior. As early as Nott's Excelsior, with much larger pods, a large cropper and of rich flavor; height 1½ feet.

Pkt. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

Thomas Laxton. Similar to Gradus. The pods are long, straight, with square ends, and contain 7 or 8 peas of the finest flavor; hardy and productive; height 3 feet.

Pkt. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

Burpee's "Blue Bantam." An extra early variety of the finest quality. The vines average fifteen inches in height. The pods average nearly as large as the Gradus.

Pkt. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.



GARDEN PEAS—Continued

MEDIUM AND LATE VARIETIES

Dwarf Telephone (Carter's Daisy). Similar to the Tall Telephone, bearing heavy pods, about $4\frac{1}{2}$ inches long, height 2 feet.
Pkt. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

Everbearing. Very prolific, pods about 3 inches long, peas large and of good quality; height $2\frac{1}{2}$ feet.
Pkt. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

Carter's Quite Content. The largest-podded variety yet introduced, vines and pods deep green, pods 7 to $7\frac{1}{2}$ inches long, hanging mostly in pairs and contain 9 to 11 large peas of excellent flavor; recommended for the market or private garden; a large cropper; height of 3 to 4 feet.
Pkt. 25c., 1 lb. 45c., 2 lbs. 80c., 7 lbs. \$2.60, 14 lbs. \$5.00.

Admiral Dewey. One of the finest and most desirable of the large-podded varieties. The vines are of vigorous growth; the pods are always of good size well filled with peas of the highest quality; specially recommended for the home garden and market growing; height 4 feet.
Pkt. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

Improved Telephone. An improvement on Carter's Telephone for purity and uniformity of habits, bearing in great abundance large, dark-green pods containing peas of fine flavor, height 4 feet.
Pkt. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

Champion of England. A well-known and popular late variety, of excellent flavor and very productive; height 4 to 5 feet.
Pkt. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

SEED POTATOES

Eight to ten bushels will plant one acre. One peck will plant 75 hills.

Potatoes are sent by express or freight, purchaser paying charges.

We offer particularly fine strains of Early Rose, Irish Cobbler, Green Mountain and Gold Coin Seed Potatoes.

Write for prices.

PUMPKIN

Same cultivation as for squash.

One ounce will plant 20 hills; one pound will plant 250 hills.

Connecticut Field. Very productive, usually grown in fields with corn for feeding stock.
Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

King of the Mammoths. The best mammoth pumpkin, flesh is a golden-yellow, a splendid keeper and valuable for stock feeding.
Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 45c., lb. \$1.50.

Mammoth Tours. Very large size, oblong in shape, largely used for feeding stock.
Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 45c., lb. \$1.50.

Small Sugar. Very sweet and fine grained, a good keeper, best sort for family use.
Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

SALSIFY

(Vegetable Oyster)

One of the most delicious and nutritious of vegetables.

Sow early in the spring in drills 14 inches apart and 1 inch deep. Cultivate the same as for carrots and parsnips. They can be left in the ground until spring.

One ounce to 50 feet of drill.

Mammoth Sandwich Island. This variety grows to a large size and is superior in quality to the Long White. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 70c.



RADISH

The seeds should be sown in light, rich, sandy loam. For an early supply, sow in a hotbed in rows 4 inches apart. Sow in the open ground as soon as the ground can be worked in rows 8 to 12 inches apart $\frac{1}{2}$ inch deep. If the radish makes rapid growth it will be crisp and tender. Sow every week or ten days for succession.

One ounce for 100 feet of drill.



SCARLET GLOBE RADISH

Crimson Giant. An extra early, turnip-shaped variety, growing very large yet never pithy, always hard and solid; good for forcing and equally as good if grown in the open ground.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Early Scarlet White-Tipped. Small, round, red, short tops, crisp and tender.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Non Plus Ultra. The earliest forcing variety, round, red maturing in about twenty days.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Scarlet Globe. One of the best varieties for forcing or sowing in the open ground; globe shaped, scarlet color, crisp and tender.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

French Breakfast. Oblong shaped, color scarlet, white-tipped, rapid grower, mild and tender.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 45c., lb. \$1.25.

White Icicle. Finest white radish. It is long, slender, pure white, roots of excellent quality. Fine for forcing.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

White Stuttgart. A turnip shaped, white radish, growing to large size; fine quality.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 45c., lb. \$1.50.

Round Black Spanish. A good winter variety.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

SPINACH

Sow early in the spring in drills one foot apart, covering the seed one inch deep, thinning out as it grows. For a succession sow every two weeks. For winter and early spring use, sow in August; cover with straw on the approach of severe cold weather.

One ounce to 50 feet of drill; ten to twelve pounds to the acre.

King of Denmark. The leaves are dark green, very thick and crumpled, and of good quality. Remains in good condition two or three weeks longer than any other variety before running to seed.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 70c.

Round Thick-Leaved. A large, dark-green, thick-leaved variety; stands a long time before running to seed.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 60c.

Victoria. A variety of dense foliage, leaves thick and of a dark green color.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 60c.

Long Season. A dark-green crumpled variety which withstands the hot weather without shooting to seed for a long time; very desirable for spring planting and of excellent quality.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 60c.

Bloomsdale. A very hardy variety; large thick, crumpled leaves, a favorite with Market Gardeners. The best for early spring or fall.

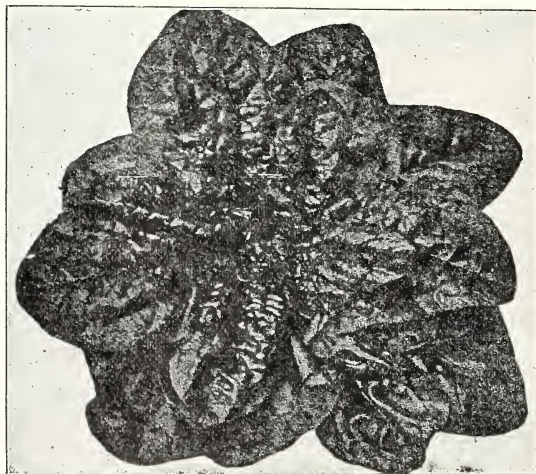
Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 60c.

Prickly or Winter. The hardest variety for fall planting.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 60c.

New Zealand. A plant of branching habits which stands drought. Soak the seeds in warm water before planting. Plants should not be closer than 2 feet apart each way.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 45c., lb. \$1.00.



KING OF DENMARK SPINACH

"Sterling Quality" Seeds are the highest grade obtainable and intended for the particular market gardener, florist and individual.

SEND US YOUR MAIL ORDERS



SQUASH

Squash are quite tender and should not be planted until the ground has become thoroughly warm and all danger of frost is past. Plant in light, rich soil, well pulverized. Bush varieties should be planted about 4 feet apart and the running varieties about 8 feet.

Bush varieties, one ounce to 40 hills; running varieties, one ounce to 15 hills, three to four pounds per acre.

Early Giant Summer Crookneck. A desirable table sort, of dwarf, bushy habit, and very productive; the flesh is thick, yellow and of fine quality. One of the best market varieties. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 45c., lb. \$1.25.

Mammoth White Bush Scallop. Pure white, producing large, thick fruit of fine flavor, early and productive.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 45c., lb. \$1.25.

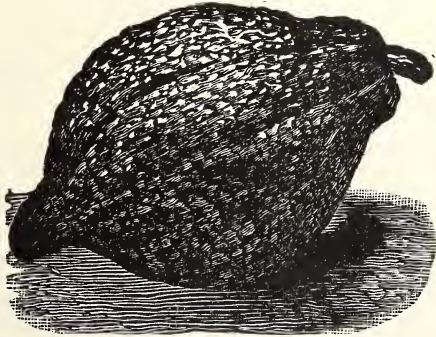
Delicious. Fine grained, sweet and dry, no other squash can equal it in sweetness and richness of flavor. In shape and color it is similar to the Hubbard. Weighs from five to ten pounds. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 65c., lb. \$2.00.

Early Prolific Marrow. The earliest of the running varieties, maturing ten days earlier than the Boston Marrow; color a bright orange red; keeps well.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Boston Marrow. A standard fall variety of a bright yellow color, an excellent sort for pies and largely used by canners.

Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.



HUBBARD SQUASH

Hubbard (Cape Elizabeth grown). The standard winter squash, more largely grown than any other late variety, dark green skin and rich flesh, an excellent keeper.

Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.75.

Golden Hubbard. Same type as the Green Hubbard but of rich orange red color and earlier to mature.

Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.75.

Blue Hubbard. Flesh fine-grained, dry and of excellent flavor, a good keeper.

Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 90c., lb. \$3.00.

Vegetable Marrow, English. The fruit should be eaten when less than half grown; color creamy white, flesh white.

Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c.

Vegetable Marrow, Italian. Oblong, skin dark green at first, but changes to a lighter green as it matures. Excellent quality.

Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c.

TOMATO

Sow the seeds about the first week in March in a hotbed, greenhouse or in shallow boxes in a window. When the plants are about three inches high transplant to cold frames, setting the plants about 4 inches apart or in pots singly. Transplant to the open ground when all danger of frost is past. Set in rows 4 feet apart each way, using a shovelful of rotten manure in each hill.

One ounce will produce about 1,500 plants.

Our Tomato Seeds are grown from selected Stocks.

“John Baer.” An extra early variety of superior merit. It produces perfect, solid high crown, beautiful, brilliant red tomatoes, is almost seedless, and has a mild, deliciously sweet flavor. Uniform in size and ripening. A valuable variety for the market or home garden. Pkt. 10c., $\frac{1}{4}$ oz. 20c., oz. 50c., $\frac{1}{4}$ lb. \$1.50.

Abbotts Early Red. A deep blood red variety. Foliage and vine medium. The fruit is smooth, uniform and of excellent flavor and quality.

Pkt. 10c., $\frac{1}{2}$ oz. 30c., oz. 50c.

Earliana. The best extra early variety. It is the earliest large tomato; color bright red, growing in clusters of medium size, smooth, solid, and of fine flavor; excellent for the market and home garden.

Pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 35c., $\frac{1}{4}$ lb. \$1.00.

Bonney Best. Early and prolific; fruit is smooth, round scarlet, of fine flavor.

Pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 35c., $\frac{1}{4}$ lb. \$1.00.

Stone. The most reliable of the main crop, very large, bright scarlet, smooth, solid and very productive; is a good shipper.

Pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 35c., $\frac{1}{4}$ lb. \$1.00.

Marglobe. Introduced by the New Jersey State Department of Agriculture. It is of fine appearance, perfect globe shape, and deep scarlet in color. Its spreading habit of growth enables it to bear large, perfectly shaped fruit, ripening well up to the stem.

Pkt. 10c., $\frac{1}{4}$ oz. 20c., oz. 50c., $\frac{1}{4}$ lb. \$1.50.

The Burbank. An extra early variety.

Pkt. 10c., oz. \$1.00.

Ponderosa. One of the largest varieties, flesh solid and of fine quality.

Pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 35c., $\frac{1}{4}$ lb. \$1.00.

Red Pear. Pear shape scarlet fruit used for pickling. Pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 35c.

Yellow Pear. Bright yellow, best for preserving.

Pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 35c.

Strawberry or Husk. The small yellow fruit grows in a husk, used for preserving.

Pkt. 10c., $\frac{1}{2}$ oz. 25c., oz. 40c.



TURNIP

Turnips do best in rich, light, sandy soil. For early use, sow in the spring as soon as the ground can be worked in drills 1 foot apart. Cover $\frac{1}{2}$ inch deep. Thin plants to 6 inches apart. For a succession, sow every two weeks until August. Rutabagas are usually sown broadcast, but larger crops are obtained if the seed is sown in drills 18 inches apart and thinned out to 8 or 10 inches in the rows. Sow from June to the middle of July.

One ounce will sow 150 feet of drill; one to two pounds to an acre.

Early Purple Top Milan. One of the earliest flat turnips; flesh solid and of good quality. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Early White Milan. Extra early; roots of medium size, pure white, sweet and tender. It is a rapid grower and desirable for early use. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Purple Top White Globe. An early variety, of superior quality, globe-shaped, white flesh, tender and sweet, one of the best for table use. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.00.

Red Top White Globe. It contains all the good points of the Purple Top White Globe and has the added feature of having a bright red top making it very attractive in appearance. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.00.

White Egg. A pure white, egg-shaped variety of rapid growth; flesh firm, sweet and mild. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.00.

Golden Ball. Very early, fine quality and of excellent flavor. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.00.

Cow Horn or Long White. A very productive, quick-growing turnip, carrot-like in form, growing nearly half out of the ground. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.00.

RUTABAGA

Perfect Model. An improved strain of the finest yellow-fleshed rutabaga, remarkable for uniform shape and fine quality, very sweet and tender and a good keeper. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.25.



PERFECT MODEL RUTABAGA

RUTABAGA—C't'd

American Purple Top. Very hardy, productive and a good keeper; flesh yellow and solid, a fine variety for table use. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.00.

Millpond Purple Top Swede. An imported strain of Purple Top Rutabaga, very smooth and uniform shape. Excellent keeper. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.25.

Improved Long Island. Undoubtedly one of the finest varieties of purple-top Rutabaga. Leaves few and small; bulbs fine shaped with very short, small necks; purple crown, skin and flesh bright yellow, solid, sweet and mild flavor. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.25.

SWEET AND MEDICINAL HERBS

Sow in the spring in shallow drills, 1 foot apart; when up a few inches thin out to proper distances, or transplant; cut the herbs when in flower, tie them up in small bunches and hang in the shade to dry.

Anise Annual	Per oz. 25c., pkt. 10c.
Balm Perennial	Per oz. 30c., pkt. 10c.
Basil, Sweet Annual	Per oz. 25c., pkt. 10c.
Caraway Biennial	Per oz. 25c., pkt. 10c.
Catnip Perennial	Per oz. 60c., pkt. 10c.
Dill Biennial	Per oz. 20c., pkt. 10c.
Fennel, Sweet Perennial	Per oz. 20c., pkt. 10c.

Lavender Perennial	Per oz. 40c., pkt. 10c.
Marjoram, Sweet Annual	Per oz. 30c., pkt. 10c.
Mint Perennial	pkt. 25c.
Sage Annual	Per oz. 50c., pkt. 10c.
Summer Savory Annual	Per oz. 30c., pkt. 10c.
Thyme Perennial	Per oz. 50c., pkt. 10c.



FIELD CORN

Plant eight to ten quarts per acre in hills, one to one and one-half bushels broadcast, one bushel in drills.

"A. S. & L. Special" Ensilage Corn

"A. S. & L. SPECIAL" ENSILAGE CORN. An early hybrid corn making large ears and an immense amount of foliage. This corn is grown especially for us by growers who have made an extensive study of ensilage corn so that we can highly recommend this variety, especially its milk producing qualities. It has been used extensively by our customers in this section the past two seasons and has given wonderful results. Price, \$4.50 per bushel.

EARLY EIGHT-ROWED YELLOW FLINT. This corn is grown right here in Maine and is the earliest yellow variety we know. It matures in ninety days and the ears are long with small cob filled to the tip with large broad kernels. We cannot recommend this corn too highly for either Grain or Ensilage. Price on application.

GENUINE EUREKA ENSILAGE. The corn that grows more ensilage to the acre than any other variety. It grows very tall, attaining a height of 12 to 15 feet and makes a heavy thick growth of fodder. Try this variety if you want the maximum tonnage. Price \$3.00 per bushel.

IMPERIAL LEAMING. A yellow Dent variety very valuable for ensilage. The plants are tall with a large amount of foliage. Each stalk usually produces two good long ears with small red cobs, well filled with large, deep golden kernels. Price \$2.50 per bushel.

SWEET FODDER CORN. For soiling or ensilage. Some dairymen prefer the sweet fodder corn to the ordinary ensilage variety, and although it does not make as large a stalk, nor as much foliage, it is highly relished by stock. It does best when sown in drills at the rate of 2 bushels to the acre. Price on application.

STANLEY'S CROW REPELLENT.

Saves replanting, prevents crows, other birds and animal pests from pulling corn. Protects corn from rot caused by moisture. Makes seed germinate faster. Does not clog planter. Large can, enough for two bushels of seed corn, \$1.50. Small can, enough for one bushel, \$1.00.



GRAINS AND FARM SEEDS

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Prices do not include delivery. Add cost of bags when ordering, as follows:
1/2 bush., 10 cents; 2 bush., 35 cents.

Spring Wheat, Marquis. (Beardless.) An early and productive variety. The kernel is flinty, darker red and more plump than Red Fife and matures a week to ten days earlier; weight 64 to 66 lbs. per measured bushel. Write for price.

Hungarian. A popular annual used for hay and forage, yielding two to three tons per acre. Sow 1 bushel to the acre. Weight 48 pounds per bushel. Price \$3.25 per bushel.

Japanese Millet. A forage plant of excellent quality, growing 6 to 8 feet in height, and yielding 10 to 15 tons per acre. Sow 20 lbs. per acre broadcast, 15 lbs. in drills 18 inches apart. Price 10 cents per pound.

Winter Vetch. Suitable for both spring and autumn seeding, and if intended to stand over the winter, they should be sown as long before winter as possible to enable them to become established firmly. Price 18 cents per pound.

Canada Field Peas. A valuable crop for soiling and for cattle feed. Sow 2 1/2 bushels per acre—if sown with oats, use one and one-half bushels each of the oats and peas. Price \$5.00 per bushel.

Buckwheat (Japanese). The best and most profitable variety. It is earlier and more productive than the Silver Hull. Price \$2.50 per bushel.

Storm King Oats. One of the earliest, heaviest and most prolific domestic-grown seed oat in cultivation. The heads measure from 8 to 10 inches and the kernels are of immense size, thick, plump and heavy. Price \$2.00 per bushel.

Swedish Select. Native to Northern Europe, this is a splendid variety for all sections, and particularly so to our States North of this latitude. A very productive sort; the straw is heavy and stiff and the grains plump and attractive in appearance. Price \$1.75 per bushel.

Northern White Oats. On account of their low price this oat is used extensively for fodder, but will show very good results when cut for grain. Price \$1.25 per bushel.

Barley, 6 Rowed. A hardy and productive bearded variety. Excellent for cover crop. Price \$2.25 per bushel.

Winter Rye (Rosen). Rosen Rye produces a strong vigorous straw and stools to a remarkable degree. The grain is large, plump, heavy and beautiful color. Owing to its vigorous stooling property, less seed is required per acre. Price \$2.25 per bushel.



“Sterling Quality” GRASS AND CLOVER SEEDS



A load of “Sterling Quality” hay at the J. Howard Randall Farm, Harrison, Maine

“Sterling Quality” Timothy and Clovers are Northern grown, domestic seed, especially adapted to the climate of New England

You will find our “Sterling Quality” brand farm seeds the very highest in tests as to purity and germination. We do not carry the so-called “medium grades” which might be purchased at a slightly cheaper price. The best, or “Sterling Quality,” gives the greatest satisfaction to you and to us.

Prices Subject to Market Changes

Timothy, or Herd’s Grass (“Sterling Quality”).

Perennial. Roots are fibrous in moist soils, but in dry soils often become bulbous; blooms in June and July. While this grass is commonly known as Timothy, it is frequently called Herd’s Grass. It is the most valuable grass for hay, especially in the North, thriving best on moist, loamy soils of medium tenacity.

Price \$4.75 per bushel.

Red Top, Fancy Recleaned. (“Sterling Quality”).

Root-creeping; perennial; flowers in July. This valuable grass has been commonly cultivated in our fields for over a century. It is a fine permanent grass, and forms a nutritious pasture when fed close. It is valuable for all wet soils, producing a large return in good hay.

Price 27c per lb.

Kentucky Blue Grass. Root-creeping; perennial; flowers in June. This valuable grass is very common in the soils of America, and is excellent for pastures. It is a very valuable species in lawn mixtures.

Price 35c per lb.

Orchard Grass. Root fibrous, perennial, flowers in June and July. This is one of the most valuable and widely known of all the pasture grasses. Price 30c per lb.

CLOVERS

Domestic Grown Red Clover (“Sterling Quality”). The leading variety of Clover for pastures or meadows. Requires deep, rich soil. Sow in Spring. Price 35c per lb.

Grimm Alfalfa Clover. This variety of alfalfa is considered by many to be hardier and more productive than any other, and even at the higher price we believe it is the most economical seed to plant in New England. Valuable as hay and forage crop. Sow 15 to 20 pounds per acre. Price 60c per lb.

Alsike Clover. (“Sterling Quality”). The hardiest of all clovers; it resists cold and extreme drought, and for low, wet land is most valuable; excellent for bees. Price 35c per lb.

Sweet Clover, Bokhara. Used as a soil-improving crop. Price 15c per lb.

White Clover. Largely used in lawn and pasture mixtures. Price 50c per lb.



"A. S. & L." EXTRA FINE LAWN SEED

This is a mixture of low growing grasses especially adapted to making a fine carpet-like lawn. We take great pride in the quality of our A. S. & L. Lawn Seed as we use only the best solid seed obtainable, without chaff or "filler" of any kind. For a new lawn we recommend sowing one lb. of seed to 200 sq. feet. We know that you will be pleased with this seed.

Price 45c. per pound. By mail add postage.

"A. S. & L." "SHADY PLACE" MIXTURE

This is a mixture of extra fine Grasses adapted for growing in the shade and under trees. We recommend the use of this mixture wherever other grasses on account of shade have failed to make a close sward. Sow at the rate of 1 lb. per each 200 sq. ft. for a new lawn, or about half that quantity for renovating existing turf.

Price 45c. per pound. By mail add postage.

SEED FOR GOLF CLUBS

Special Mixtures for Putting Green and Fairway

It has been our privilege to furnish many golf clubs with their special requirements of seed for putting greens and fairways.

We are prepared to quote on special formulas as designated or on the following varieties which are used extensively in the best mixtures.

We invite correspondence from golf clubs or estates interested in these special varieties.



"Driving Off," 1st Tee, Willowdale Links. (Seed for this course furnished by Allen, Sterling & Lothrop)

RHODE ISLAND BENT — A pure hardy strain of creeping Bent. It forms an ideal turf of dark green color and is uniform in texture. We recommend its use anywhere that bents will thrive, but particularly in the New England States. Per lb., \$1.25.

GOLF RED TOP — Superfine Recleaned. Purity test 98% or better. Write for prices.

KENTUCKY BLUE GRASS — A wonderful seed for fairways or lawns — 21 lb. seed. Write for prices.

CHEWINGS NEW ZEALAND FESCUE — For either putting green or fairways. Write for prices.

Write us for quotations on Mixed Fertilizers, Sulphate of Ammonia, Ground Bone and Sheep Manure.



Inoculate

ALL LEGUMES

Alfalfa, All Clovers, Soy Beans, Cow Peas, Vetch, Peas, Beans, Peanuts
with

Every Can Stamped
With Expiration Date
Fresh Every Year



Every 1 bu. Size Can
Packed With More Than
7 Billion Legume Germs

The Original Legume Inoculator With The Date And Germ Count On Every Can

For profitable results, Agricultural Colleges advise inoculation for all legume seed, because it pays well in producing larger quality yields. NITRAGIN inoculated legumes draw their nitrogen from the air—not the soil—with billions of fresh, nitrogen-gathering germs. NITRAGIN leads in high GERM COUNT.

Is fresh each year—
it's DATED. Costs
less than others.



NITRAGIN PRICES Alfalfa, All Clovers, Vetch, Peas, Beans

Size	Inoculates	Price	Size	Inoculates	Price
3/4 bu.	15 lbs. seed	\$.40	1 bu.	60 lbs. seed	\$1.00
1/2 bu.	30 lbs. seed	.60	5 bu.	300 lbs. seed	4.75

Special Prices on Soy Beans and Cow Peas

(Note sizes carefully—not packed in smaller sizes)					
1 bu.	60 lbs. seed	\$.40	5 bu.	300 lbs. seed	\$1.50
2 bu.	120 lbs. seed	.70	10 bu.	600 lbs. seed	2.50

GARDEN NITRAGIN

Inoculates from 1 ounce to 8 lbs. seed. Price, \$.25
IMPORTANT: When ordering NITRAGIN, always be
sure to state kind of legume seed you wish to inoculate.
Nitragin Has Served The American Farmer Since 1898

The NITRAGIN
label tells the
whole story—
at a glance



1 bu. size label

Price
Expiration Date
Legume Germ
Count

Insist On
NITRAGIN

VEGETABLE PLANTS

PLANTS BY EXPRESS. We use great care in the packing of plants to be sent by express, but cannot be responsible for delays or conditions when received by the purchaser. No plants sent C. O. D. Shipped by express only, except where noted.

TOMATO PLANTS

We have been especially successful the past years with our Box Grown tomato plants. Our grower has always given us sturdy, hardy plants and we have taken particular pride in offering them to our customers.

Varieties

John Baer, Earliana, Burbank, Abbott's Early Red, Dwarf Stone, Bonny Best, Yellow Plum.
..... .50 doz.

CABBAGE PLANTS

	Doz.	100
Early Variety		
Copenhagen Market	\$.25	\$1.50
Late Variety		
Danish Ball Head	.20	1.00

CAULIFLOWER PLANTS

	Doz.	100
Snowball (Early Variety)	\$.025	\$1.50
Danish Giant (Late Variety)	.25	1.50

CELERY PLANTS

	100	1000
Golden Self-Blanching (Early)	\$.150	\$10.00
Boston Market (Late)	1.50	10.00

PEPPER PLANTS

	Doz.	100
Large Bell	\$.25	\$1.50
Pimento	.25	1.50

WASHINGTON ASPARAGUS ROOTS

We offer strong two year old Roots grown from selected seed.

Price: \$2.00 per 100 roots, postpaid \$2.25.

Rhubarb Roots. Each, 15c.\$1.50 per doz.



"Sterling Quality"

CHOICE FLOWER SEEDS

ANNUALS (for Perennials see pages 37-38)

New and Larger Seed Packets

We are pleased to announce to our customers that we are now packing our Flower Seeds in attractive, new, colored packets with cultural directions on each packet.

The new packets also contain more seed without additional cost to our customers, but not at the expense of our reputation for quality. Our Flower Seeds come direct to us from the best growers in this country and abroad, and are put up in our own store. We, therefore, know that our Flower Seeds are the highest quality possible to buy.

Per Pkt.

ACROCLINIUM. A half-hardy annual, bearing white and rose-colored flowers which are used when dried for winter bouquets. 1½ ft. Rose and white, mixed \$0.10

AGERATUM. A beautiful, hardy annual. The flowers, which are produced in clusters, are very attractive in the garden and are very useful for bouquets.

Little Blue Star. Bright blue flowers, 6 inches10

Blue Perfection. Dark Blue. 1½ feet.10

ALYSSUM. A fragrant, hardy annual, bearing spikes of small, white flowers in great profusion throughout the summer and autumn. Useful for borders and for cutting.

Sweet Alyssum. Flower small and sweet. .. oz. 50c. .10

Little Dorrit. Pure white, very dwarf and sweet scented. oz. \$1.00 .10

Lilac Queen. Of dwarf compact habit, with flowers of a pure lilac color; 4 inches.10

ANTIRRHINUM (Snapdragon.) A half-hardy perennial, easily raised from seed. Bloom profusely the first season from mid-summer till fall.

TALL, MAXIMUM VARIETIES

Canary Bird. Canary yellow with golden yellow center.10

Copper King. Velvety copper scarlet.10

Snowflake. Pure white, yellow lobe.10

The Rose. Rose pink.10

Mixed. A well balanced mixture of the above varieties.10



ANTIRRHINUM OR SNAPDRAGON

FREE DELIVERY to any address in the United States on all Flower Seeds by the packet, ounce, half-pound, and pound



ASTERS

A popular half-hardy annual produced in a great variety of classes and an almost endless number of colors. The tallest varieties grow about two feet high and some varieties of dwarfs are not six inches high. The best method of culture is to sow the seed in boxes in March or April. Cover the seeds about one-fourth inch deep with rich, light soil, and when the plants have three or four leaves transplant about 15 inches apart each way. The seed can be sown in rows where the plants are to remain, thinning them from six to twelve inches apart, according to variety. One of the best annuals for cut flowers.

CALIFORNIA GIANTS. A type characterized by the Beauty's vigorous growth and the Crego or Ostrich Feather type of flower. A true nonlateral type. The flowers are much larger and more substantial than the improved Crego, measuring 5 to 6 inches in diameter, and stand up well when shipped as cut flowers. Their immense size and beauty, as well as their long and sturdy stems make them very attractive when arranged in floral work—Peach Blossom—Light Blue—Dark Purple—White—Deep Rose—Mixture of above.

Per pkt. 20c. each, 3 pkt. 50c.

Asterum. A select strain of this new aster. The flowers are of immense size, with curled and twisted petals, closely resembling the blooms of Japanese Chrysanthemums. Mixed colors.

Per pkt. 10c., $\frac{1}{8}$ oz. 50c., $\frac{1}{4}$ oz. 85c.

Imperial Daybreak. Flowers very large and double; color a shell pink; height $2\frac{1}{2}$ feet.

Per pkt. 10c., $\frac{1}{8}$ oz. 40c., $\frac{1}{4}$ oz. 70c.

Imperial Purity. Similar to Daybreak in form and habit of growth; the blooms are pure white.

Per pkt. 10c., $\frac{1}{8}$ oz. 40c., $\frac{1}{4}$ oz. 70c.

Moreton Pink. This is of the upright Comet type. It is a beautiful shade of flesh pink and very desirable.

Per pkt. 10c., $\frac{1}{8}$ oz. 40c., $\frac{1}{4}$ oz. 70c.

The Royal. An early flowering aster; the plants are of branching habit; the flowers are very double and are borne in great profusion on long stems. Mixed colors.

Per pkt. 10c., $\frac{1}{8}$ oz. 45c., $\frac{1}{4}$ oz. 80c.

Queen of the Market. One of the earliest blooming varieties. The plants are about 1 foot high, bearing from ten to fifteen finely formed flowers on long and graceful stems. White, light pink, lavender and mixed colors. Separate colors, or mixed.

Per pkt. 10c., $\frac{1}{8}$ oz. 45c., $\frac{1}{4}$ oz. 80c.

Heart of France. This is one of the largest flowering of the very dark red sorts. The plants are nicely branched and the flowers grow on long strong stems. Height 2 feet.

Per pkt. 10c., $\frac{1}{8}$ oz. 45c., $\frac{1}{4}$ oz. 80c.



ASTERUM

Victoria Yellow. The most satisfactory yellow yet produced. The flowers are large and remarkably full and ball shaped, the plants of branching type and very vigorous.

Pkt. 20c., $\frac{1}{8}$ oz. 50c.

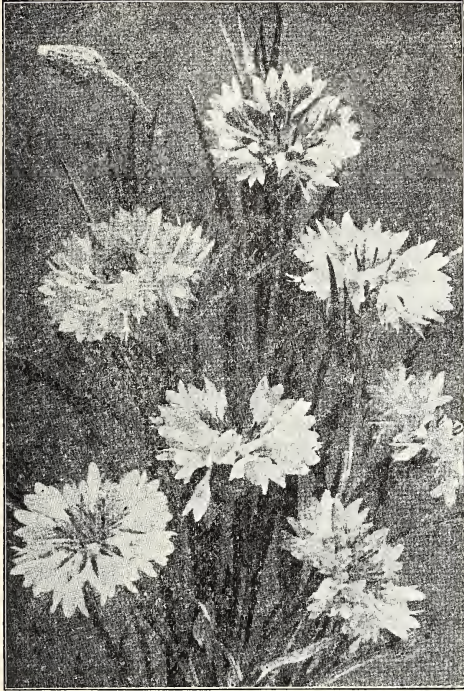
Improved Giant Crego. One of the finest varieties of asters, flowers very large, often five inches across, with long, stout stems. Keep longer in good condition when cut than any other variety. Height $2\frac{1}{2}$ feet. White, shell-pink, rose-pink, lavender, orchid, purple and mixed colors. Separate colors, or mixed.

Per pkt. 10c., $\frac{1}{8}$ oz. 50c., $\frac{1}{4}$ oz. 85c.

Single California Giants. A splendid early flowering variety.

Mixed colors—Per pkt. 10c., $\frac{1}{8}$ oz. 50c.

We hope you will like our new flower seed packets.



BACHELOR'S BUTTON

BACHELOR'S BUTTON. Hardy annual of easy culture, one of the most attractive of all the old fashioned flowers. Sow the seed where it is to remain and thin to six inches.

	Per Pkt.
Single Blue .....	.10
Single Mixed Colors	½ oz. 25c. .10
Double Mixed Colors	½ oz. 35c. .10
Double Blue. Fine dark blue ..	¼ oz. 35c. .10

BALSAM. A favorite garden flower producing masses of beautiful, brilliant-colored, double flowers of easy culture; succeeds in a good rich soil; set the plants one foot apart; tender annuals; 2 feet.
Mixed colors ¼ oz. 35c. .10 |

BEANS, Flowering. Popular ornamental climbers, 6 to 8 feet.
Scarlet Runner10 |

BROWALLIA. Very handsome, free-flowering plants. 1½ feet high.
Mixed.10 |

CANARY BIRD VINE. Half-hardy, climbing annual, bearing an abundance of bright yellow fringed flowers... ½ oz. 25c. .10

CALENDULA. Profuse-blooming dwarf annuals; of easy culture and flowering until frost.

Orange King. Double, dark orange red,	¼ oz. 25c. .10
Lemon Queen. Lemon-yellow ..	¼ oz. 25c. .10
Mixed Varieties.	¼ oz. 20c. .10

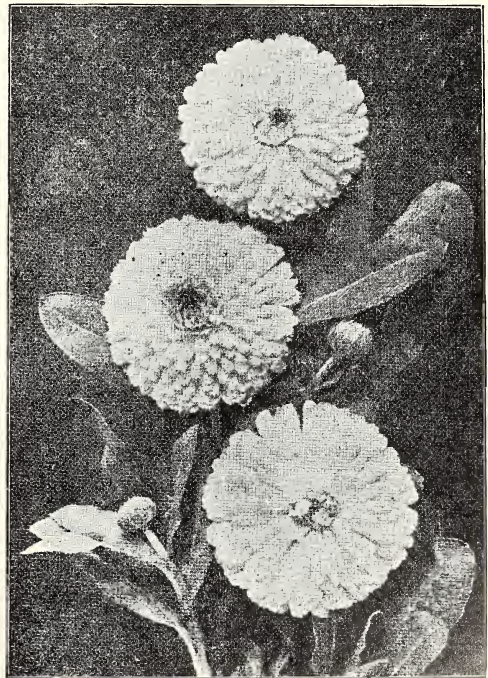
CALLIOPSIS (or Coreopsis). A hardy annual growing about 2 feet high, valuable for bright bedding effects or for cutting. Blooms from June until September.
Double Mixed Colors. Fine Varieties.
..... ¼ oz. 25c. .10

CANDYTUFT. A hardy annual of easy culture and valuable for bedding or massing.
Giant Hyacinth Flowered. Very large heads and long spikes of white flowers. 1 foot. ¼ oz. 30c. .10
Crimson. 1 foot.10
Flesh Pink. 1 foot.10
White. 1 foot.10
Mixed, all colors. 1 foot. Oz. 45c., ¼ oz. 15c. .10

CARNATION. Carnations are general favorites for their delicious fragrance and richness of colors.
Marguerite Mixed, all colors10
Giant Chabaud. This is really a glorified type of French Carnation coming into bloom six months from time of sowing and continuing to bloom throughout the summer.
Double Mixed25

CENTAUREA (Dusty Miller). Half-hardy perennial, used for borders or edgings.
Gymnocarpa. Leaves silver gray, with graceful, drooping habit. 1½ feet.10

CHRYSANTHEMUM (Annual). Summer-blooming annuals, growing 12 to 18 inches high. Very effective for bed or cut blooms.
Double Mixed ¼ oz. 20c. .10



CALENDULA



CLARKIA. Beautiful, hardy annuals with rose-colored, white and purple flowers in very brilliant shades. About 1½ to 2 feet high and profuse bloomers.

Double Mixed ¼ oz. 30c. .10

COBAEA. A rapid-growing climber, with handsome foliage and large bell-shaped flowers half-hardy perennial. 20 ft.

Scandens. Blue ¼ oz. 25c. .10

COCKSCOMB. Very popular annuals of the easiest culture, producing large, ornamental comb-like heads; useful both for summer bedding and pot plants.

Glasgow Prize. Brilliant, deep purplish-red combs, dark foliage. Height about 1 foot.10

COLEUS. A tender annual, growing about 10 to 18 inches high, and grown for its beautiful, bright-colored, velvety leaves.

Mixed Hybrids. Finest Mixed varieties... .25

CONVOLVULUS major (Morning Glory).

A handsome, showy climber of easy culture and suitable for covering windows, trellises, etc. The flowers are most brilliant in the morning and run through many shades from white to dark blue, red and striped. Hardy annuals 10 feet high.

Mixed Choice Colors oz. 25c. .10

COSMOS. A very effective flowering plant, quite hardy and rapid growing, forming bush-like plants 4 to 6 feet high and covered with large, single, dahlia-like flowers. Start in March and transplant to open ground about June first.

Early Flowering, Mixed Colors, ¼ oz. 20c. .10

Early Flowering, White ¼ oz. 25c. .10

Early Flowering, Pink ¼ oz. 25c. .10

Early Flowering, Crimson ¼ oz. 25c. .10

NEW EXTRA EARLY FLOWERING DOUBLE COSMOS. They grow to a height of about three feet, forming a perfect bush massed with bloom, bearing beautiful double flowers of good size on long stems; they come about seventy-five per cent double from seed. They bloom in seventy days from the day seed is sown, and continue until cut down by frost.

Double Crimson25

Double Pink25

Double White25

Double Mixed25

CYPRESS VINE. A summer, climbing annual with fine, feathery foliage and pretty, star-shaped flowers.

Scarlet10

DATURA. Large, strong-growing plants with large, trumpet-shaped flowers. 3 feet.

Mixed, all colors10



DOUBLE COSMOS

DIANTHUS or Pinks. Hardy biennials that bloom the first season, remaining green all winter and blooming the next year also if lightly protected. Old plants flower the earliest, but as young ones give the largest, finest flowers, sowings are made every year. Seed can be sown under glass in the spring, or in an open, sheltered bed. The seedlings are easily transplanted. Average height, 1 foot.

Mixed, all colors ¼ oz., 25c. .10

DAHLIA. A popular late summer and autumn flowering plant. The seed may be planted early in the hotbed and the plants set out in May after all danger of frost is over. By sowing the seed early the plants may be made to bloom the first year.

Double Mixed10

Single Mixed10

DIDISCUS. (Blue Lace Flower). An attractive annual blooming from July until frost. The flowers are pale lavender and are invaluable for cutting. Height 1½ ft. .10

HAVE YOU A ROCK GARDEN?

If not an added thrill is in store for you. We have listed for your convenience many varieties of popular Rock Garden flowers on page 37 of this catalogue.



ESCHSCHOLTZIA (California Poppy). The foliage is finely cut and has a bluish tinge, delicate and very attractive. The large, handsome flowers, two inches or more in diameter, are produced in great profusion all summer. Seeds can be sown where the plants are to bloom. Hardy annual; height, 1 foot.

SCARLET BEAUTY. This is one of the brightest colors in Eschscholtzias, it being a deep scarlet and as the plants are very erect, it has the appearance when in bloom of a vivid scarlet tulip.15

Californica. Deep yellow, orange center. ½ oz. 25c. .10

Grandiflora Mixed Colors ¼ oz. 25c. .10

GAILLARDIA. Very showy plants with brilliant flowers. Hardy annuals, 2 feet high.

Double Mixed. Annual ¼ oz. 25c. .10

GODETIA. Beautiful garden plants, having large, delicately shaded blossoms. Easily cultivated in garden soil. Hardy annual; about 1 foot high.

Finest Mixed ¼ oz. 25c. .10

GOURDS. Ornamental, rapid-growing, trailing annuals, with curiously-shaped, highly-colored fruits. Cultivate the same as melons or squashes; 10 to 20 feet.

Mixed Varieties ½ oz. 25c. .10

GYPSOPHILIA (Baby's Breath). Free-flowering, elegant plants, succeeding in any garden soil.

Elegans grandiflora alba. A hardy annual, pure white flowers. ¼ oz. 25c. .10

HELICHRYSUM. (Straw Flower). Ever-lasting flowers, large and full. Cut before the flowers fully expand. Hardy annual. 2 feet.

Double Mixed ¼ oz. 25c. .10

HELIOTROPE. This class of plants is one of the finest for cutting, as the delicious fragrance of all the varieties is very durable. For the same reason they make excellent house plants. Seed sown early in the spring in the house will make fine plants for summer bedding.

Queen Marguerite. Bears immense clusters of large deep dark-blue flowers. Very fragrant.10

Finest Mixed ¼ oz. 35c. .10

HOLLYHOCK. Hardy annuals, blooming the first season.

Single Mixed ¼ oz. 35c. .10

Double Mixed ¼ oz. 50c. .10

HUMULUS JAPONICUS (Japanese Hop). Fast-growing, annual climber. 12 feet. ¼ oz. 35c. .10

HYACINTH BEAN. Tender, climbing annual. Grows rapidly and is valuable for covering a trellis. The shining purple seed pods are very ornamental.

Finest Mixed 1 oz. 40c. .10

KOCHIA CHILDSII (Summer Cypress). A splendid ornamental annual plant, forming dense oval bushes 2 to 2½ feet high, of small, feathery, light green foliage. As summer advances, this changes to a carmine hue and finally to a fiery red. A very attractive plant. ¼ oz. 35c. .10

LARKSPUR. (Delphinium). Very ornamental plants, producing, in great variety of form and colors, some of the most beautiful flowers in cultivation.

Dwarf Rocket. 1 ft. in height. Mixed colors. ¼ oz. 30c. .10

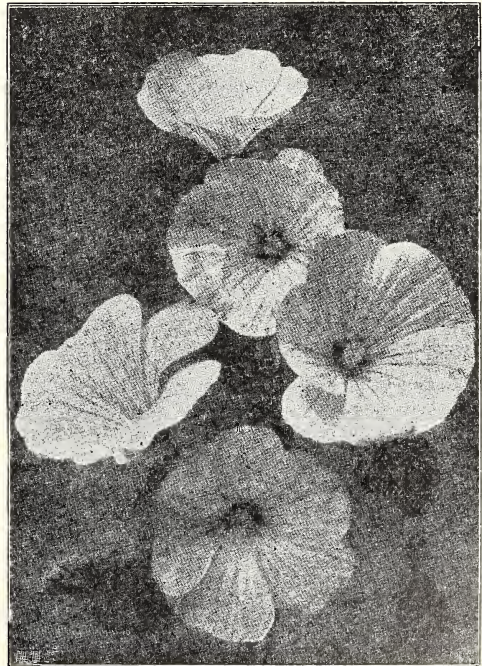
Stock-Flowered. Double, branching; fine for cutting. 2 feet. Mixed colors. ¼ oz. 30c. .10

Double Stock Flowered Tall "Exquisite." An excellent variety for cutting or garden decoration, growing 2½ to 3 feet. The color is a beautiful soft pink. Hardy annual.15

LAVATERA (Mallow). Beautiful hardy annuals covered the entire summer with saucer-shaped flowers. The seed may be sown where they are to bloom. Height 2 to 3 feet.

Pink10

White10



LAVATERA



Per Pkt.

LINUM Grandiflorum Rubrum (Scarlet Flax). A beautiful and effective plant of slender and delicate growth, having a profusion of bright flowers. Hardy annual; about 1½ feet high.10

LOBELIA. The dwarf varieties are very useful for edging, and the trailing varieties for hanging baskets and window-boxes.
Sapphire. Blue trailing. ⅛ oz. 40c. .10
Crystal Palace Compacta. 6 inches.
 Dark blue bedding variety. ⅛ oz. 50c. .10

LOVE-IN-A-MIST. A hardy annual, 1 foot high, with finely cut foliage. Oddly shaped blossoms in blue and white, and curious seed pods. Of easy culture.
Mixed. Blue and white shades. .½ oz. 25c. .10

LUPINS. Showy plants, with long spikes of various colored pea-shaped flowers; very desirable for mixed borders.
Fine Mixed ½ oz. 30c. .10

MALOPE. Free-blooming, hardy annuals suitable for mixed borders and fine for cutting. Height 3 feet.
Grandiflora Mixed ½ oz. 25c. .10

MARIGOLD (Tagetes). A hardy annual plant, in dwarf and tall varieties, growing from 6 inches to 2 feet high. Foliage bright green, deeply cut and graceful. The flowers are various shades of yellow and brown. The tall varieties are very valuable for large bedding or background work, and the dwarf varieties for borders. Seeds can be sown in a cold frame and the plants transplanted late in the spring or in the open border.

DOUBLE AFRICAN VARIETIES

Orange Prince. A double variety with quilled petals; flowers showy, bloom very early ¼ oz. 25c. .10
Lemon Queen. Large, lemon-colored flowers.10
Mixed Colors ¼ oz. 20c. .10

FRENCH VARIETIES

Tall Double Mixed ¼ oz. 20c. .10
Dwarf Double Mixed ¼ oz. 20c. .10

MIGNONETTE (Reseda). A hardy annual, growing 6 to 12 inches high and bearing pyramidal-shaped flower spikes, which are exceedingly fragrant. Grows easily from boxes or sown out in the garden and thinned to 4 or 6 inches. Valuable for potting, for bedding or for border.
Large Flowered. Very sweet .. ½ oz. 20c. .10
Goliath Red. A giant red-flowered variety with rich green foliage, especially suited for house culture. ¼ oz. 50c. .10
Goliath White. This splendid white variety has the same characteristics of the red sort. ¼ oz. 50c. .10



MIGNONETTE

Per Pkt.

MARVEL OF PERU. The flowers of this old-fashioned favorite open about four o'clock in the afternoon and fade the next morning. 2 feet high, with bright foliage and fragrant flowers of desirable colors. Seed should be planted in the open ground where plants are desired.
Mixed Colors ½ oz. 20c. .10

MOONFLOWER. A beautiful vine which grows very rapidly, attaining a height of 50 feet in a season, producing flowers 3 to 4 inches across. Blossoms evenings and cloudy days. Soak the seeds in warm water 24 hours before planting.
Grandiflora Alba. Large white flowers. ½ oz. 25c. .10
Giant Pink. Soft lilac-pink flowers. ½ oz. 25c. .10

MOURNING BRIDE (Scabiosa). A very showy free-flowering plant, producing a great profusion of beautiful and richly-colored double flowers. Beautiful in the garden and excellent for bouquets. 12 to 18 inches high. Annual.
Mixed Colors ¼ oz. 25c. .10

MIMULUS (Monkey Flower). Handsome flowers of easy cultivation. Perennial in the greenhouse, annual in the open air.
Mixed Spotted Varieties.15



NASTURTIIUM

A popular flower which is in constant bloom throughout the season, making a better display than almost any other plant. New colors are being developed, and in our list will be found all the best varieties that have been introduced.

Nasturtiums are of the easiest culture and require very little care after the seed is sown, merely weeding and the seed-balls picked off. If these are permitted to mature the beauty of the plant is soon lost. Plant the seed one inch deep in moderately good soil. The tall sorts are specially adapted for covering unsightly fences or trailing over rocks and rough ground. Hardy annual.

Dwarf Varieties

Of dwarf, compact growth; bloom in two months from sowing and most profusely the whole season. Height 1 foot.

	Pkt.	Oz.	¼ lb.
Aurora. Light reddish-orange, veined with carmine .....	.05	.15	.40
Beauty. Scarlet and yellow .....	.05	.15	.40
Bronze, Golden Brown .....	.05	.15	.40
Crystal Palace Gem. Sulphur-yellow spotted with carmine. ....	.05	.15	.40
Empress of India. A splendid variety, with dark leaves and crimson flowers .....	.05	.15	.40
Golden King. Golden yellow. ....	.05	.15	.40
Golden Midnight. The foliage is a light yellowish-green, while the flowers are of such a dark maroon as to seem almost black....	.10	.20	.50
King of Tom Thumbs. Dark foliage, scarlet flowers .....	.05	.15	.40
King Theodore. Intensely dark crimson or chocolate .....	.05	.15	.40
Pearl. Creamy white .....	.05	.15	.40
Queen of Tom Thumbs. Variegated foliage, bright crimson flowers. ....	.05	.15	.40
Vesuvius. Salmon pink, dark foliage. ....	.05	.15	.40
Scarlet. Brilliant scarlet flowers. .	.05	.15	.40
Collection of six varieties for 20c.			

DWARF MIXED NASTURTIIUMS

"A., S. & L." Extra Choice Mixture. Our own mixture from a selection of named varieties and colors. Nothing finer.
Pkt. 05c., oz. 15c., ¼ lb. 40c., 1 lb. \$1.25.



NASTURTIIUM

Tall or Climbing Varieties

Height, 10 to 12 feet.

Coccineum. Scarlet .....	.05	.15	.40
Dark Crimson .....	.05	.15	.40
Dunnett's Orange. Deep Orange ..	.05	.15	.40
Hemisphaericum. Orange-salmon and scarlet .....	.05	.15	.40
King Theodore. Dark red, extra fine. ....	.05	.15	.40
Pearl. Creamy white .....	.05	.15	.40
Prince Henry. Light yellow, marbled with scarlet .....	.05	.15	.40
Schillingi. Bright yellow, blotched with maroon .....	.05	.15	.40
Vesuvius. Brilliant salmon-rose, dark-leaved .....	.05	.15	.40
Yellow .....	.05	.15	.40
Collection of six varieties for 20c.			

TALL MIXED NASTURTIIUMS

"A., S. & L." Extra Choice Mixture. Our own selection.
Pkt. 05c., oz. 15c., ¼ lb. 40c., 1 lb. \$1.25.

	Per Pkt.
NEMESIA STRIMOSA SULTONI. Free-blooming plants for pot culture and open border. Sow the seed in March under glass or sow out of doors in May. Hardy annual. 1 foot. Mixed colors .....	.10
NICOTIANA. Showy plants with slender, tall, flowering stems and fragrant flowers; half-hardy annuals. About 3 feet high.	
Mixed Hybrids. All colors.....	.10



PANSY

Pansies thrive best in a moist, shady location and in rich, loamy soil. Seed should be sown in the autumn for early spring blossoms. If sown in the spring, get it in as early as possible, so as to secure flowers during the early rains. Seed sown in a cool place in May or June, and well watered until up, will produce tall-flowering plants. To have good flowers, the plants must be vigorous and make a rapid growth; use manure liberally.



Per Pkt.

Mastodon Miracle Mixed (new). A super mixture containing the finest types of pansies including ruffled flowers, and many new sunburst pansies, smoky rims, henna shades, with fine long stems. ....	.50
Greenhouse Special Mixed. ... 1/8 oz. \$2.00	.30
"A., S. & L." Special mixed. ... 1/8 oz. \$1.00	.20
Choice Mixed .....	.10

PASSION FLOWER (Passiflora). A half-hardy perennial climber, bearing attractive blue fringed flowers. Height 10 to 15 feet.10
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PHLOX DRUMMONDII. Grandiflora. One of the most satisfactory bedding plants. A hardy annual growing about one foot high, and bearing beautiful and brilliantly colored flowers.	
Yellow .....	.10
Pure White .....	.10
Lilac .....	.10
Crimson .....	.10
Finest Mixed. Best large-flowered varieties. 1/4 oz. 50c.	.10

POPPY

The seed should be sown as early in the spring as possible where they are to remain, as they do not stand transplanting. Thin 6 to 10 inches apart. If left thick the plant will be weak and the blossoms inferior.

SHIRLEY VARIETIES

Per Pkt.

"A., S. & L." Single Mixed. The most beautiful type of poppies, having soft foliage and an immense variety of single blossoms in white, pink, lavender, purple, shades of red and scarlet; the best and most showy of all single poppies. oz. 50c.	.10
"American Legion." This new single Shirley is a dazzling orange scarlet of enormous size, borne on long stout stems. The plants are of very erect robust growth. oz. 75c.	.15
Double Salmon Shades	1/4 oz. 25c. .10
Double Pink Shades	1/4 oz. 25c. .10
Double Mixed	1/4 oz. 25c. .10

CARNATION VARIETY

Double Mixed	1/2 oz. 25c. .10
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SNOWDROP

Pure White	1/2 oz. 20c. .10
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SHIRLEY POPPY



FRINGED PETUNIA

- | | Per Pkt. | | Per Pkt. |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| PETUNIA. Free-flowering and easily cultivated; well-known favorites. They thrive in almost any soil and produce a brilliant array of color throughout the season. | | SALPIGLOSSIS. Very showy bedding or border plants with richly-colored flowers, which are purple, scarlet, crimson, yellow, buff, blue or almost black, beautifully marbled and pencilled. Hardy annual, 2 feet. | |
| Large-Flowered Double, Fringed. | | Emperor. Finest Mixed. Large flowers. | |
| Choice mixed | .50 | 1/8 oz. 50c. | .10 |
| Giants of California. Flowers very large, and deeply fringed. A variety of colors... | .25 | SCHIZANTHUS. Hardy annuals, growing 1 1/2 to 2 feet high, and covered with bright, showy, butterfly-like blossoms. | |
| Rosy Morn. A bright rosy pink with white throat | .15 | Choice Mixed Large Flowering | .10 |
| 1/4 oz. \$1.00 | .15 | | |
| Rose of Heaven. A very effective rich and brilliant rose colored variety. . 1/4 oz. \$1.00 | .15 | | |
| Balcony Blue. A splendid large and free-flowering type for window boxes, hanging baskets, etc. Color a rich indigo blue..... | .15 | | |
| Choice Mixed. Striped and blotched. | | | |
| 1/8 oz. 25c. | .10 | | |
| PORTULACA. The flowers of the double variety are like small roses, and make a particularly brilliant show. Sow seed in the open ground as soon as the weather is warm, or in a hotbed earlier. The plants can be transplanted when in full flower. | | | |
| Annual. | | | |
| Double Mixed Colors | 1/8 oz. 50c. | | .10 |
| Single Mixed Colors | 1/8 oz. 20c. | | .10 |
| RHODANTHE. Fine for garden. Comes into flower early and continues a long time. One of the best everlasting for bouquets. | | | |
| Fine Single Mixed | .10 | | |
| RICINUS (Castor Oil Bean). A half-hardy annual, growing from 6 to 15 feet high. | | | |
| Zanzibarensis Mixed. A very large-leaved variety, light and dark green and bronze foliage; 10 to 12 feet. | oz. 35c. | | .10 |



SALPIGLOSSIS

Our flower seeds bought from the best growers here and abroad are packed under our own supervision.



SWEET PEAS

The popularity of Sweet Peas is demonstrated by the many and beautiful varieties that are introduced each year. Our list includes all the best up-to-date varieties.

Sow as early as the ground can be prepared in a deep, rich, moist soil, in drills 6 inches deep, covering about 2 inches deep. As the vines grow, fill up the trenches with soil and thin out to about 4 or 5 inches apart. A popular plan at the present time is to sow in double rows with a trellis or a row of brush between.

One-quarter of a pound of seed will sow fifty feet.

Giant Spencer Varieties

The Spencers have very large waved flowers which are produced abundantly on long, strong stems, and are most desirable for cutting.

Alexander Malcolm. Very bright scarlet cerise.

Annie Ireland. White with rose-pink edges.

Apple Blossom Spencer. Standard bright rose, wings primrose with a flush of rose.

Asta Ohn. The best lavender, very large and wavy.

Austin Frederick Improved. Large pure lavender.

Constance Hinton. The largest white Spencer.

Countess Spencer. The original giant-flowered Spencer, clear pink.

Crimson King. The color is a solid, rich, deep, clear crimson throughout, becoming richer in the throat.

Daffodil. Very deep primrose.

Daisy Bud. Soft pale rose pink.

Hebe. A giant flower of finest form. Color bright rose pink. Flowers are beautifully waved.

Jack Cornwell, V. C. Deep blue. One of the most beautiful.

King Edward. The best pure red Spencer, very large.

King Mauve. Splendid shade of mauve.

Majestic Cream. Large deep cream.

Morse's Sunproof Scarlet. The brightest scarlet yet introduced.

Mrs. Hugh Dickson. Buff apricot and rose.

Mrs. Tom Jones. Deep amethyst blue, very fine form.

Pink Pearl. Clear pearly pink.

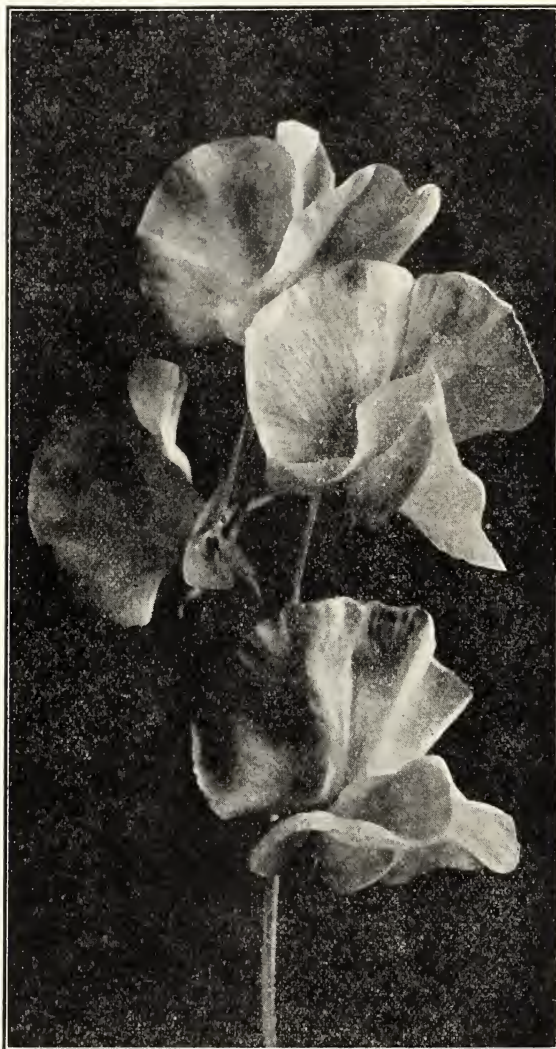
Royal Scot. Brilliant scarlet.

Splendour. Rich red maroon.

Tangerine. Salmon Orange.

Price: Any of the above

Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00



EARLY HARMONY

A. S. & L. Superb Spencer Mixed

Our own mixture of true Spencer types only. As fine a collection of Sweet Peas as can be purchased anywhere. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c.



SWEET PEAS—Continued

Early Flowering Spencer Sweet Peas

This new type is receiving great attention at the hands of the leading hybridizers, and already nearly all colors are represented. They are now very popular, and in great demand by commercial florists for forcing under glass for winter and early spring blooming, but are just as valuable for the amateur for outdoor culture coming into flower five or six weeks earlier than the regular Spencer type, and if the flowers are kept picked, continue to bloom over a period of nearly four months.

Early Aviator. A very beautiful shade of crimson.

Early Bluebird. A very attractive shade of blue growing more vigorous than any other blue.

Early Glitters. The color may best be described as a glowing poppy scarlet.

Early Harmony. Clear Lavender. This Spencer should be included in every collection.

Early Snowflake. This is without doubt the finest White Sweet Pea that has been introduced. It produces flowers of the largest size on long stems.

Early Rose Queen. A new light-rose pink, very beautiful.

Early Torch. An orange scarlet that will not burn in sunlight. One of the best.

Early Yarrowa. Color bright rose-pink with lighter base.

Price: Any of the above,
Pkt. 15c., oz. 60c., $\frac{1}{4}$ lb. \$1.75.

Grandiflora Sweet Peas

These have large handsome flowers, but the petals are not waved like the Spencer varieties. Earlier than the Spencer.

“A., S. & L.” SPECIAL MIXTURE. This mixture is made up by ourselves from the best named Grandiflora and cannot fail to give satisfaction.

Oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

GRANDIFLORA MIXED SWEET PEAS IN SEPARATE SHADES

Lavender and Blue Shades.

Purple and Maroon Shades.

White and Primrose Shades.

Pink Shades.

Red Shades.

Each of the above, oz. 10c., $\frac{1}{4}$ lb. 30c., 1 lb. \$1.00.

Collection, one oz., each of the five separate shades, 40c.

FREE DELIVERY

To any address in the United States on all Flower Seeds by the packet, ounce, half-pound, and pound.



TEN WEEKS BEAUTY STOCKS

STOCKS

(Gilliflower)

Hardy annuals, 2 feet high, with spikes densely covered with beautiful double flowers of almost every desirable tint. Seeds may be sown in the open ground, hotbed or cold frame, but transplanting should be done when the plants are just out of the seed leaf. Make the soil deep and rich, and set the plants a foot apart.

LARGE-FLOWERING TEN WEEKS BEAUTY STOCKS

A magnificent race of recent introduction, with long trusses of extremely double flowers of delightful fragrance. For forcing in the greenhouse in winter they are unexcelled. They are equally good when planted in the garden, coming into bloom in about 10 weeks and lasting until late in the season.

	Per Pkt.
Apple Blossom .....	.10
Canary Yellow (Monte Carlo) .....	.10
Flesh Pink (Beauty of Nice) .....	.10
Light Blue (Cote d' Azure) .....	.10
White (Mont Blanc) .....	.10
Choice Mixed	$\frac{1}{8}$ oz. 75c. .10

IMPROVED CUT-AND-COME-AGAIN

White (Princess Alice) .....	.10
Canary Yellow .....	.10
Blood Red .....	.10
Light Blue .....	.10
Apple Blossom10
Choice Mixture	$\frac{1}{8}$ oz. 75c. .10

Special Mixture	(3 pkts for 50c.)	.20
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“Sterling Quality”
PERENNIAL FLOWER SEEDS

	Per Pkt.		Per Pkt.
ACONITUM (Monk's Hood). Hardy perennial, with helmet-shaped flowers; growing in any good garden soil. Thrives best when planted among shrubbery or in shady situations. 4 feet.		FORGET-ME-NOT. (Myosotis.) Small star-like flowers borne in clusters. The plant is of easy culture and blooms the first year if seed is sown early. 4 to 9 inches.	
Nappellus. Large blue .....	.15	Indigo Blue. Large, dark blue flowers.	$\frac{1}{8}$ oz. 25c. .10
ALYSSUM. Saxatile Compactum (Basket of Gold). Golden yellow flowers. . $\frac{1}{4}$ oz. 50c.	.10	Victoria. Large flowers, bright azure blue; dwarf habit; fine for borders. . . $\frac{1}{8}$ oz. 35c.	.10
AMPELOPSIS VEITCHII (Boston Ivy). The best hardy vine for covering brick or stone buildings, etc.; foliage turning to scarlet in the autumn. $\frac{1}{2}$ oz. 25c.	.10	Fine Mixed	$\frac{1}{8}$ oz. 25c. .10
BELLIS PERENNIS (Double Daisy). Sow the seed very early. The flowers are abundant in early spring and may be continued later by the use of water. Set about six inches apart in a cool border.		FOXGLOVE (Digitalis). The Foxgloves are highly ornamental plants. They are fine for the mixed border or planted singly in half-shady places near a walk or drive. The spikes of flowers are often two feet in length, containing scores of the pretty-spotted, thimble-shaped flowers. Perfectly hardy. Sow seed in spring in the garden and transplant as desired.	
Longfellow. Large, rose-colored flowers... .	.10	Mixed varieties	$\frac{1}{4}$ oz. 25c. .10
Snowball. Large, double pure white. ....	.10	FRENCH HONEYSUCKLE (Hedysarum). Very handsome free-flowering plants; well adapted for borders or rock-work. 4 feet.	
Finest Mixed. $\frac{1}{8}$ oz. 40c.	.10	Scarlet .....	.10
Shasta Daisy. Pure white. ....	.10		
CANTERBURY BELLS. Large bell-shaped flowers which are very effective. Succeeds best in light, rich soil. Transplant two feet apart. Height 2 to 4 feet.			
Single, Fine Mixed	$\frac{1}{8}$ oz. 25c. .10		
Double, Fine Mixed	$\frac{1}{8}$ oz. 25c. .10		
Cup and Saucer.			
Blue .....	.10		
Rose .....	.10		
White .....	.10		
Choice Mixed	$\frac{1}{8}$ oz. 60c. .10		
COLUMBINE. (Aquilegia.) Well-known hardy perennials, bearing in great profusion, through May and June, exquisite flowers greatly varied in coloring; of easy culture, thriving best in dry soil and growing well in partial shade. 1 to 3 feet.			
Single, Mixed Colors .....	.10		
Long Spurred, Double, Mixed Colors .....	.10		
DELPHINIUM (Hardy Larkspur).			
Formosum. Deep blue, 3 feet .....	.10		
Double Hybrids, Finest Mixed. 3 feet ....	.10		
DIANTHUS (Hardy Garden Pinks).			
Double Clove. A hardy perennial pink, very fragrant, choice colors... $\frac{1}{8}$ oz. 30c.	.10		
Plumarius (Grass Pink, or Pheasant-eye Pink). A single hardy Pink with fringed-edged, fragrant flowers, mixed colors....			
..... $\frac{1}{8}$ oz. 30c.	.10		
EUPHORBIA VARIEGATA (Snow on the Mountain). Variegated green and white foliage. Excellent for bouquets.....	.10		



GAILLIARDIA

GAILLIARDIA. Showy and hardy perennials, flowering from July to October. 2 feet.
Grandiflora Hybrida. Finest Mixed.10



PERENNIAL FLOWER SEEDS—Continued

- GYPSOPHILA.** (Baby's Breath.) Free-flowering plants, succeeding in any garden soil. Fine for bouquets.
- Paniculata. White flowers10
- Paniculata. Double white20

- HOLLYHOCK.** Plants of upright, stately growth, 5 to 8 feet high. The double varieties are the most desirable. Very effective when planted in long rows with a background of shrubbery.
- Chater's Double Mixed $\frac{1}{8}$ oz. 30c. .10

- HONESTY** (Satin Flower). The flat, silvery seed pods are used for winter decoration. Very handsome, free-flowering. Hardy biennial. 2 feet.10

- IBERIS** (Perennial Candytuft).
- Sempervirens. Pure white; excellent for cemeteries, rockeries, etc.; 1 foot.15

- Kudzu Vine or Jack-and-the-Bean Stalk.** A fast growing hardy perennial vine, growing 8 to 10 feet the first year from seed. The foliage is large; it bears clusters of pea-shaped flowers. $\frac{1}{4}$ oz. 25c. .10

- LAVENDULA vera.** (Sweet Lavender) grown chiefly for lasting fragrance of its flowers. $\frac{1}{4}$ oz. 25c. .10

- LINUM** (Flax).
- Perenne. Bright blue flowers, hardy. 2 ft. .10

- LUPINUS** (Lupin). Beautiful hardy plants for borders, beds and for cutting, 3 ft.
- Polyphyllus Blue10
- Polyphyllus Roseus. Pink10
- Polyphyllus White10
- Polyphyllus Mixed10

- PHLOX** (Decussata). Hardy plants producing large heads of showy flowers, 3 ft.
- Mixed Colors10

- POPPY** (Papaver).
- Oriente. One of the most striking and showy of the garden perennials; flowers large brilliant crimson with a black blotch on each petal. $\frac{1}{8}$ oz. 25c. .10
- Iceland. Brilliant colors. Blooms first year from seed. $\frac{1}{8}$ oz. 25c. .10

- POLYANTHUS** (Primula Elatior). Early spring free-flowering plants, fine for either pot or outdoor culture; 9 inches.
- Choice Mixed10

- PYRETHRUM HYBRIDUM** (Painted Daisy). Hardy perennial, bearing large Daisy-like flowers, ranging in color from white to deep red, with bright yellow centres.10

- PHYSALIS** (Chinese Lantern Plant). An ornamental plant, forming dense bushes about 2 feet high, producing freely its bright orange-scarlet lantern-like fruits, which can be cut and dried for winter bouquets.10



PYRETHRUM HYBRIDUM (Painted Daisy)

- RUDBECKIA** (Cone-Flower). Robust-growing plants, very popular for border decoration.
- Newmanii. Golden yellow with black center.10

- STATICE** (Sea Lavender). Beautiful hardy perennial, free flowering and of easy culture in poor soils and dry situations; very showy in beds or borders, and remain a long time in bloom; when dried can be used in winter bouquets.
- Choice Mixed10

- SWEET WILLIAM.** An old-fashioned plant, producing large heads of beautifully colored, sweet-scented flowers. It is hardy and easily grown. 1½ feet.
- Holborn Glory. Large flowers of the most beautiful shades. $\frac{1}{4}$ oz. 25c. .10
- Pink Beauty. Rose pink. $\frac{1}{4}$ oz. 25c. .10
- Double Varieties. Mixed. $\frac{1}{4}$ oz. 30c. .10
- Finest Single Mixed $\frac{1}{4}$ oz. 30c. .10

- SWEET ROCKET.** Very fragrant, growing freely in ordinary soils, 2 ft.
- Mixed. Purple and white.10

- VIOLET.** Fragrant, spring-blooming plants.
- The Czar. Large dark blue.10



ROCK GARDEN FLOWER SEEDS

For the convenience of our customers we have grouped together a collection of twelve varieties of the very popular Rock Garden Seeds.

	Per Pkt.		Per Pkt.
ALYSSUM (Saxatile Compactum). Early Flowering; bright golden yellow; 1 foot. .	.10	GYPSOPHILA (Repens Rose). Rock plant covered with rose colored flowers. ....	.15
AQUILEGIA (Long Spurred Hybrids). Flowers of many rich and varied colors; 2 feet. ....	.15	GEUM (Lady Stratheden). Beautiful hardy perennials bearing large, golden yellow flowers all through the summer; 18 inches.	.25
CERASTIUM (Biebersteini). Dwarf, white leaved plant with white flowers; 4 inches.	.15	LINARIA. An excellent perennial, often grown as an annual, with bright green leaves and attractive small lilac-blue flowers. ....	.15
DELPHINIUM (Blue Butterfly). Beautiful blue variety of compact growth, blooms the first year if sown early; 18 inches. ....	.15	OENOTHERA. Large, bright yellow flowers; 4 inches. ....	.15
DIANTHUS (Deltoides). Dwarf; brilliant carmine flowers; 10 inches. ....	.15	SAPONARIA (Ocymoides). A splendid plant for the rockery; rose colored flowers; 9 inches. ....	.15
GYPSOPHILA (Repens White). A fine rock plant covered with tiny white flowers; 8 inches. ....	.15	STATICE (Latifolia). Large lavender-blue flowers; 18 inches. ....	.15

GLADIOLUS BULBS

All strictly 1st size bulbs

Six of a kind at dozen rates, 50 at 100 rates. Dozen and 100 prices Post Paid.

Baron L. Hulot, Deep indigo blue.

Crimson Glow, Without exception the finest crimson.

Halley, Salmon pink.

Herada, Clear mauve lavender.

Mrs. Keur, Deep rose pink with cream throat. A super glad.

Mrs. Francis King, Flame red, tall growing, large flowers.

Mrs. Frank Pendleton, Jr., Light rose pink with deep blotch throat.

Le Marechal Foch, Shell pink, large flowering.

Carmen Sylva, Pure white, tall growing, many flowers open.

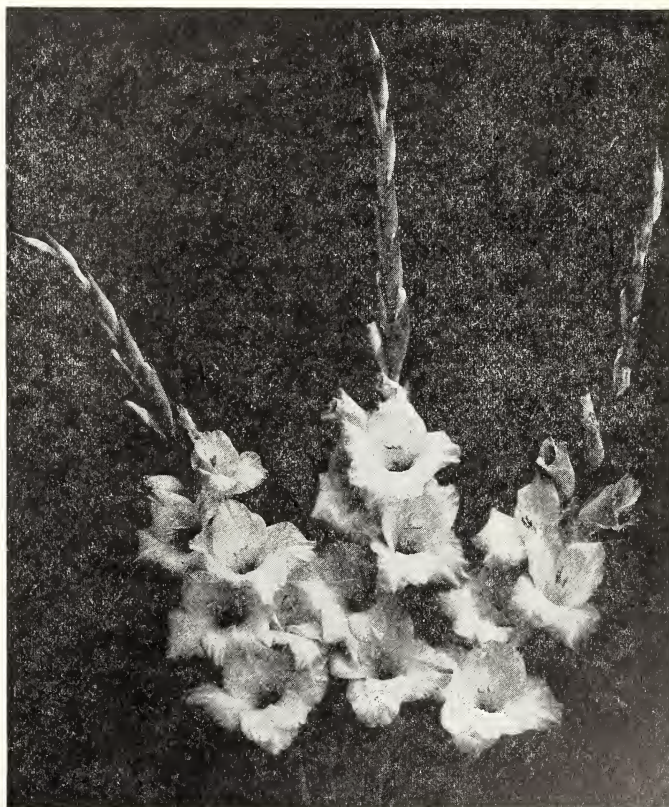
Schwaben, Bright lemon yellow, dark blotch in throat.

E. J. Shaylor, Deep rose pink, ruffled.

Mrs. Watt, American beauty rose, or wine red.

Price: Any of above

5c each, 50c doz., \$4.00 per 100
Post Paid



DAIRY SUPPLY DEPARTMENT

ALL THE REQUIREMENTS OF A MODERN DAIRY

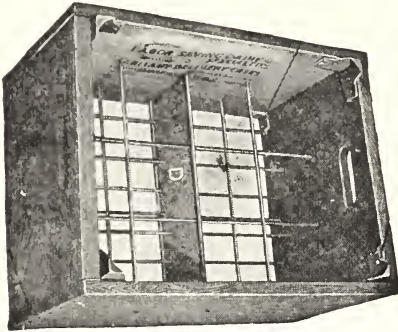
LOUDEN BARN EQUIPMENT

If you are thinking of building a new tie up or renovating the old one let us furnish you with plans and specifications for a Loudon Tie-Up

BOILERS, BOTTLE WASHERS, PASTEURIZERS, STERILIZERS, ETC.

Let us know your requirements, we will give them prompt attention!

Bottle Cases



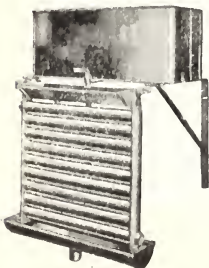
MANNING CASES

For economy and service, buy Manning Bottle Cases. Beech, birch, and maple, the choicest of hard wood, is the only wood used in Manning Bottle Cases.

All cases are nailed through a galvanized iron cleat with cement coated nails. They hold solid. Every partition is hand riveted to both sides of the cases. All wires are riveted with a giant riveter and the bars counter sunk.

Prices in any quantity quoted on application.

THE ORIOLE TUBULAR COOLER



At last there has been produced a genuine tubular milk cooler, built entirely of copper and bronze, guaranteed not to leak with a 75 pound circulating pressure — and — priced so low that every dairyman can have one!

Size	Gallons per Hour	Price
A	35	\$34.50
B	50	40.50

STATE AGENTS

for

“SEALRIGHT” BOTTLE CAPS

SEALRIGHT ORDINARY OR COMMON MILK BOTTLE CAPS

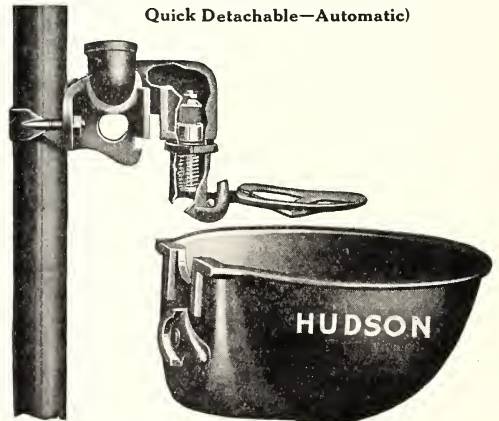


Sealright Ordinary or Common Milk Bottle Caps can be the biggest little things in your business! Because they win customers, keep them, build good will, and through their inherent ability to give better service, build added business.

SEALRIGHT POURING-PULL MILK BOTTLE CAPS

HUDSON WATER BOWL

Quick Detachable—Automatic)



THE HUDSON Q-D WATER BOWL

Price, \$3.40 each

For Dairies, Creameries, Etc.

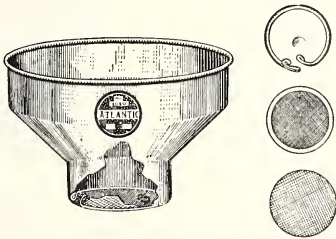
Wyandotte
Dairyman's
Cleaner and Cleanser

For cleaning vats, pasteurizers, strainers, cans, pipes, separators, and other articles in your plant that have become gummy or tainted with stale odors by the use of soap, soap powder, or some similar washing compound, there is nothing that accomplishes this task so easily, and at such little expense as Wyandotte Dairyman's Cleaner and Cleanser. A daily washing of the dairy or factory equipment will keep everything sweet and clean!

Barrels (bulk) 280 lbs.	} PRICES ON APPLICATION
Kegs (bulk) 80 lbs.	
Barrels (50 5-lb. sacks)	
5-lb. sack	

ATLANTIC EXTRA HEAVY RETINNED SEAMLESS MILK STRAINER

(Removable Strainers)



Fitted with Spring Lock, one 14-Gauge Aluminum Disc, $\frac{1}{8}$ " perforations. One Brass Strainer Cloth Disc, 80-Mesh.

No. 1010—12-qt. 4X\$2.00 each

STRAINER PADS

Carton 300 pads \$1.75

PARCHMENT BUTTER PAPER

For wrapping and covering butter, for layers and caps on top of tubs, jars, tumblers, etc.

Prices Box of
1000

	lb.	Sheets
7 x 9 Plain	\$0.35	\$1.50
9 x 12 "	.35	2.25
7 x 9 Printed	.40	1.75
9 x 12 "	.40	2.50

Prices do not include postage.



FOLDING PARAFFINED BUTTER BOXES

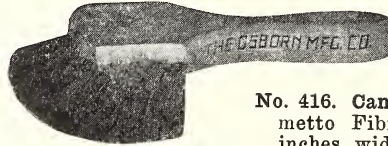
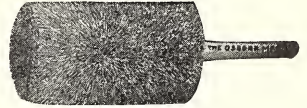
1 Pound Size (2 Pieces), Price \$ 1.50 per 100.
" " " 12.50 per 1000.

DAIRY BRUSHES



No. 89. Hand Can Brush. Grey Tampico, brush part 5 inches diameter, 5 inches long, length of handle 24 ins., length over all 29 ins. Price, \$1.25 each.

No. 123. Machine Bottle Brush. Paint Stump Bristle brush part 3 inches diameter, handle 5 inches long, tapered to $\frac{1}{2}$ inch diameter at end. Price 75c. each.

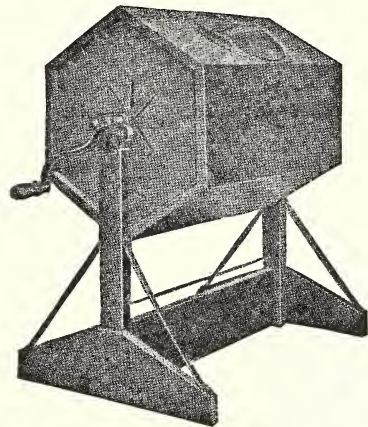


No. 416. Can Brush. Stiff Palmetto Fibre, brush part 5 inches wide, 4 inches long, length over all 10 inches. Price 50c. each.



No. 86. Hand Bottle Brush. Pure Bristle, small size, handle $\frac{1}{2}$ in. diameter, 10 ins. long. Price 75c. each.

THE FENNER SIX-SIDED REVOLVING CHURN



IT is the most practical, efficient, and economical churn on the market.

IT CHURNS, WASHES, SALTS, and WORKS the butter in the churn.

IT does not break the walls of the butter-fat globules. IT is a time and labor saver.

IT takes very little power to operate.

IT is very easily cleaned because of its simplicity of construction.

IT is so built that it cannot dry out and fall to pieces. IT is especially adapted to warm climates.

IT will last many years if properly cared for.

"Try it. You will use no other."

Send for Catalog and prices!

This is the place to buy the famous

Quaker FUL-O-PEP POULTRY FEEDS



Ful-O-Pep Chick Starter

This feed contains cod liver oil, cod liver meal and molasses. Gives chicks a splendid start in life and prevents ills that cause high mortality.



Ful-O-Pep Egg Mash

This feed contains cod liver meal and molasses; the feed that builds eggs; you get more eggs and better eggs at all seasons. Stronger shells, and chicks hatched from these eggs are strong and healthy.



Ful-O-Pep Coarse Chick Feed

This feed goes with Ful-O-Pep Growing Mash, providing a proper assortment of grains to help the Growing Mash build flesh, feathers, and bones. To be used according to Ful-O-Pep directions.



Ful-O-Pep Growing Mash

This feed contains cod liver meal and molasses. Gives young chicks big, husky frames so that they grow into fine market fowl, or exceptional layers.



Ful-O-Pep Scratch Grains

This feed contains a balanced mixture of only pure, choice grains — there's no waste when you use Ful-O-Pep Scratch Grains.



Ful-O-Pep Fine Chick Feed

This feed contains a proper combination for use with Ful-O-Pep Chick Starter. Contains just the things baby chicks need, in the form they should have them.

Quaker makes a Ful-O-Pep Feed for every age, every season, every condition

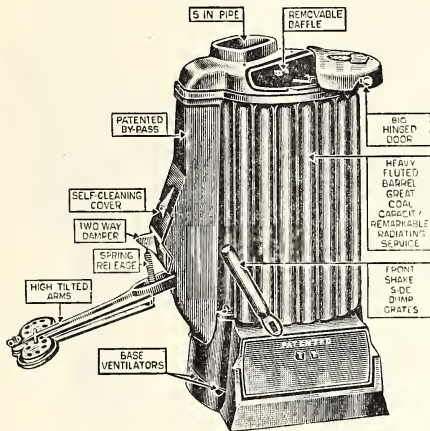
IF you will follow Ful-O-Pep directions and feed Quaker Ful-O-Pep Feeds consistently, you will soon have your flocks on a profit-making basis. Hundreds of Maine poultry raisers testify to the economy and efficiency of Ful-O-Pep Feeds. Made by The Quaker Oats Company in big, clean, modern mills, of the finest ingredients, from carefully tested scientific formulas, Ful-O-Pep Feeds meet every possible poultry feeding need.

A VALUABLE BOOK FREE!

Experts of The Quaker Oats Company have prepared an interesting, instructive and authoritative book on poultry feeding. We have it for you absolutely without charge. Just ask for it today.

MaKomb Brooders and Incubators

With its new 1930 improvements the "MaKomb Giant Brooder" more than ever deserves the confidence and enthusiasm which its obvious superiority has created among experienced poultrymen everywhere.



Soft coal handles like anthracite — because

(1) Big Coal Capacity that doesn't burn out overnight. (2) By-Pass Control to check down fast burning fuel. (3) Fluted barrel tapering out downward lets coal settle without bridging. (4) Removable Baffle Plate that makes the cleaning out of soot "dead easy."

52" Canopy, 600 chick capacity Price \$18.75
62" Canopy, 800 chick capacity Price \$22.00

ELECTRIC MAKOMB BROODERS

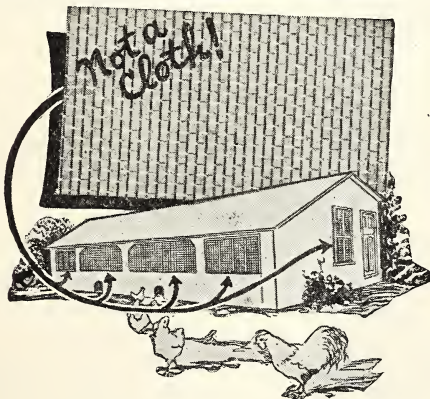
Junior Electric for small flocks Price \$3.00
32" Canopy Electric Brooder Price \$6.00

MAKOMB OIL BROODER

42" Canopy, 250 chick Price \$9.00

Write for Special "MaKomb" Catalogue

CELO-GLASS
WON'T BREAK
AN UNBREAKABLE TRANSLUCENT



No more broken chicken house windows when you use CEL-O-GLASS. This material is far better than glass because it is very light in weight, weather-proof and cold-proof and is absolutely unbreakable.

Price, per square foot\$.17
Price, roll 100 feet long by 3 feet wide 45.00

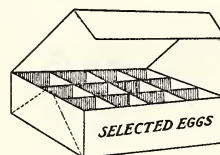
GLASS CLOTH MUCH CHEAPER THAN GLASS

(Patented)

GLASS CLOTH is a strong fabric treated by a patented process to make it transparent, weather-proof and water-proof. It costs much less than glass and for many purposes is superior. Anyone can put it up. It admits abundant light which it diffuses and scatters to all parts of the enclosure. It comes in rolls 36 inches wide and any length.

Price, per square yard\$.40
Price, for ten yards 3.50

"A.S.&L. PAPER EGG BOXES"



The old fashioned, nearly square, paper egg box. Stamp your name on the cover and guarantee the contents. It pays.

	Price
Per Doz.	\$0.15
" 25	.30
" 100	1.00

2 x 6 Egg Boxes for case packing

\$1.50 per 100 \$12.00 per 1000

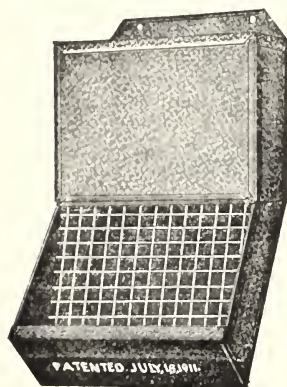
Agents for Hudson Poultry Equipment

We carry an extensive line of Hudson Poultry Equipment
including Feeders, Waterers, Nests, etc.

Send to us for the Hudson Poultry Equipment Catalogue

Sexton's Dry Feed Hopper

Easy to Fill. No Waste. Rat Proof.
Dust-Proof



OPEN

Body made of galvanized iron and the grating is of round galvanized wire, preventing the Poultry from cutting their bills. Price, \$1.75. Parcel Post Paid, \$1.90.



Sexton Shell and Grit Hopper

Made of Galvanized Iron. with portable partitions, so that they may be made into one, two, or three compartments as desired. Will not Clog. Price \$1.25. Parcel post paid \$1.35.

Junior Chick Feeder

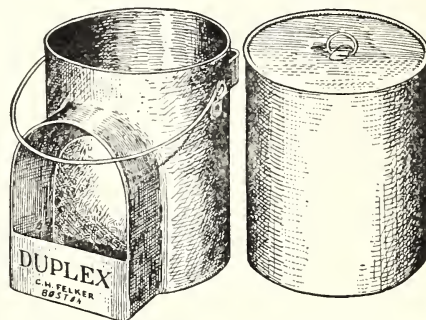
FEEDS DRY MASH
OR HARD GRAIN



FEEDS SOUR MILK
OR WATER

Made in two sizes. 12 inch, price 25c., post paid 30c.
20 inch, price 40c., post paid 45c.

THE DUPLEX FOUNTAIN



The latest and most practical sanitary fountain on the market. This is a double fount, keeps the water clean and pure. Easy to fill. Easy to care for. 4-qts., \$1.15, Parcel Post, weight 3 lbs.; 8-qts., \$1.35, Parcel Post, weight 4 lbs.



NESCO SANITARY FOUNTAIN

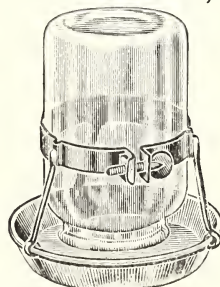
Galvanized Pan and Cone-Shaped Top. Easily Cleaned. 1 qt. 35c. By Parcel Post Prepaid, 40c.

FELKER'S HANDY ATTACHMENT

To be used with any make of Fruit Jar

A PERFECT FEEDER

For Sour Milk, Water, Hard Grain or Grit



The Container is made of aluminum, the only metal in which sour milk can be fed with safety. It is rust-proof and non-corroding. The Handy is adjustable, simple to operate and durable. Every one has some kind of a quart fruit jar—the Handy fits them all.

Price 25c each.

Dr. Hess' Stock and Poultry Preparations

Prescriptions of Dr. Hess, (M.D., D. V. S.)

DR. HESS POULTRY PAN-A-MIN



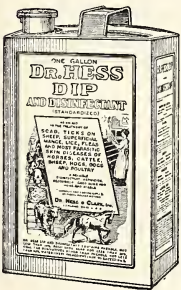
PAN-A-MIN has been known to poultry raisers for more than 30 years as Dr. Hess Poultry Pan-a-ce-a.

It is now a greatly improved product. More minerals have been added. It contains new medicinal ingredients, and other active ingredients in different proportions. The improved product has been given a new name. DR. HESS POULTRY PAN-A-MIN means Pan-a-ce-a plus.

PAN-A-MIN is of high value to moulting hens, in egg production, in reducing chick mortality, in bone and feather growth and in maintaining health.

600 Hen Size (100-lb. drum)	\$10.00
150 Hen Size (25-lb. pkg.)	3.00
90 Hen Size (15-lb. pkg.)	2.00
40 Hen Size (7-lb. pkg.)	1.00
20 Hen Size (3-lb. pkg.)	.50

DR. HESS DIP AND DISINFECTANT



A dip that makes a perfect milk-white emulsion—never any streaks or settlings. Remains in emulsion indefinitely. It is a standardized product with an established carboic acid co-efficient; always uniform in strength, no matter where purchased.

Valuable about barns and stables—kills hog lice and other parasites and keeps down foul odors.

5 Gallon Can	\$7.50
1 Gallon Can	1.75
½ Gallon Can	1.00
¼ Gallon Can	.60

DR. HESS FLY CHASER

The Fly Chaser that has the odor of the pines

DR. HESS FLY CHASER is a highly refined product, almost colorless, developed through fifteen years of experimentation. It is more effective and keeps flies away for a longer time than any other.

It is not sticky or gummy, does not blister, does not taint milk or stain the hair.

5 Gallon Can	\$6.50
1 Gallon Can	1.50
½ Gallon Can	.90



DR. HESS CHICK TABLETS (Formerly White Diarrhea Tablets)

Most diarrhea conditions in chicks, often mistaken for Bacillary White Diarrhea, are the result of improper feeding or brooding, and can be corrected by DR. HESS CHICK TABLETS. These Tablets are a bowel astringent to be given in drinking water.

Package (225 Tablets)	\$ 1.00
Package (100 Tablets)	.50

DR. HESS STOCK TONIC

This Tonic has been recently improved in keeping with latest scientific discoveries and feeding practices. All the minerals proved necessary to the heavy producing dairy cow have been added. This conditioner and mineral supplement whets the appetite, sustains the milk flow well through the lactation period and is a valuable aid in calving.

100 lb. drum	\$10.00
25 lb. package	3.00
15 lb. package	2.00
5 lb. package	.75

FOR WORMS IN POULTRY



DR. HESS POULTRY VERMI-TROL is a flock treatment. No individual handling of birds is necessary. It is simply given with the feed in two 10-day courses, three weeks apart, with DR. HESS POULTRY PAN-A-MIN fed regularly.

It is not drastic, does not throw hens or pullets off production and does not interfere with growth and development of young birds. It is palatable, all birds eat it readily.

300 Hen Size (25-lb. pkg.)	\$ 6.25
125 Hen Size (10-lb. pkg.)	2.75
50 Hen Size (4-lb. pkg.)	1.25
20 Hen Size (1½-lb. pkg.)	.50

DR. HESS POULTRY TABLETS

(Formerly Roup Tablets)

While there is no absolute cure for roup, DR. HESS POULTRY TABLETS are of high value in treating locally the swellings incident to the disease.

The Tablets are used as a local antiseptic and to medicate the drinking water. Thus used, they aid in preventing spread of the disease. Once the Tablets are in solution, they remain so permanently. The water is evenly medicated and requires no further stirring.

Package (225 Tablets)	\$ 1.00
Package (100 Tablets)	.50



DR. HESS INSTANT LOUSE KILLER

Kills lice on stock and poultry. Easily applied by putting in dust bath. Hens work it down into the feathers where the lice are. It kills lice on contact. It is also applied directly to the fowl if badly infested.

2½-lb. Package	\$.50
1-lb. Package	.25



THE ABOVE PREPARATIONS SOLD ON A GUARANTEE OF YOUR MONEY BACK IF NOT SATISFIED. PRICES DO NOT INCLUDE POSTAGE

INSECTICIDES AND FUNGICIDES

Arsenate of Lead. (Dry.) Used either as a spray or dust for all leaf-chewing worms and insects. It will not burn or injure your crop. ½ lb. 20c., 1 lb. 30c., 4 lbs. \$1.00, 25 lbs. \$5.00, 100 lbs. \$18.50.

Black Leaf 40. (Nicotine Sulphate.) Highly recommended by spraying experts for destroying all sucking and many chewing insects. 1 oz. 35c., ½ lb. \$1.25, 2 lbs. \$3.50, 10 lbs. \$13.50.

Bordeaux Mixture, Dry. Can be used either dry as a dust or mixed with water as a spray for all fungous diseases. 1 lb. to 5 gals. of water. 1 lb. 30c., 4 lbs. 85c., 25 lbs. \$4.50.

Bug Death. A non-poisonous powder. Destroys potato, squash, and cucumber bugs, currant and tomato worms; safe to handle. Contains no Paris Green or Arsenic. Apply dry or in water. 1 lb. 20c., 3 lbs. 45c., 5 lbs. 65c., 12½ lbs. \$1.25, 100-lb. keg \$8.50.

Bug Death Alpha (formerly called Aphis). For sucking insects, lice, aphids, flea beetles, and fungus. 12 oz. pkg. 20c., 10 lbs. \$1.25, 80 lb. drums \$8.50.

Carbola. A combined disinfectant and paint, or white-wash. One pound paints and disinfects 250 square feet. 5 lbs. 75c., 10 lbs. \$1.25, 25 lbs. \$2.75, 50 lbs. \$5.00.

Copper Sulphate. For making home-made bordeaux mixture for fungicide purposes. Write for price.

Dolge Liquid Weed Killer. Destroys weeds in paths, roads and gutters. Dilute 1 part Weed Killer to 40 parts of water and apply with sprinkling can or cart. 1 qt. can 75c., 1 gal. can \$2.00, 5 gal. can \$6.50.

Ever Green. A sure killer of most plant insects. Ever Green offers no poison danger whatsoever to human beings, live-stock, or birds,—it is positively not a poison. Ever Green is recommended especially for killing the following insects: Cut-worms, cabbage worms, currant worms, red spiders, squash beetles, cucumber beetles; in fact, Ever Green kills practically all sucking and chewing insects. Ever Green diluted 1 to 100 and sprayed around plants during the early growing period will effectively protect them from cut-worms. 1½-oz. bottle 35c., 6-oz. bottle \$1.00, 16-oz. bottle \$2.00.

Formaldehyde (Liquid). For destroying the germs that affect animal and plant life; also as a preventive for potato scab. Dilute one pound in forty gallons of water. 1 lb. bottle 50c.

Hellebore (Powdered). Safe to use when fruit or vegetables are nearly ripe. Used largely for cabbage and currant worms, can be used as a powder or dissolved. ½ lb. 25c., 1 lb. 45c.

Nico-Fume (Tobacco Powder). For fumigating green-houses. 5 lb. can \$3.75, 10 lb. can \$6.85.

Nico-Fume (Liquid). Used as a spray or as a vapor. Does not stain nor injure blooms. ¼ lb. can 75c., 1 lb. can \$2.25, 4 lb. can \$6.25, 8 lb. can \$11.50.

Paris Green. Used for potato bugs. ½ lb. 30c., 1 lb. 45c.

Pyrox, Bowker's. The one best spray for all leaf-eating insects. Does all that Arsenate of Lead will do, besides protecting trees, shrubs, vegetables and plants against fungous diseases, one application answering both purposes, saving labor and expense. All ready to use by adding water. Lb. 50c., 5 lbs. \$1.75, 10 lbs. \$3.00, 25 lbs. \$6.25, 50 lbs. \$10.75.

Toxol. A non-poisonous and non-explosive liquid. Kills flies, mosquitoes, lice, spiders, water bugs and other insects. Pint can 65c., quart can \$1.10.

Tree Tanglefoot. A sticky compound for painting around the trunks of trees, in the form of a band, the most effective and economical protection against crawling insects. Caterpillars and other crawling pests cannot get over it. 1 lb. 60c., 5 lbs. \$2.75, 10 lbs. \$5.25.

Volck. A spray for the garden, nursery and greenhouse; effectively controls red spider, mites, white flies, scales, mealy bugs, caterpillars, aphids, thrip, etc.; not only kills the insects but also acts as a repellent. \$3.00 per gal.

NIAGARA DUST FORMULAS AND USES

Niagara Soluble Sulphur Compound. The cheapest spray for the dormant and delayed dormant applications. Particularly effective against San Jose Scale, the worst enemy of American fruit. Equally effective against all other scale insects, Peach Leaf Curl, and many other pests. Only 12½ lbs. is needed in 50 gallons of water to get effective results. Lb. 35c., 5 lbs. \$1.00, 10 lbs. \$1.75, 25 lbs. \$3.50, 50 lbs. \$6.00, 100 lbs. \$10.00.

Niagara A-1 Mixture. For Aphids, Red Bugs, Pear Psylla, etc. The best contact dust for sucking insects. 25 lbs. \$4.75, 50 lbs. \$9.00, 100 lbs. \$16.00.

Niagara D-6 Mixture. Dehydrated Copper Sulphate 20 per cent (as Copper Sulphate Crystals 26.7%) Lime and filler. Standard Copper Fungicide without poison for potatoes, celery, and other vegetable crops. 25 lbs. \$2.75, 50 lbs. \$4.75, 100 lbs. \$7.50.

Niagara D-20 Mixture. Dehydrated Copper Sulphate 20 per cent (as Copper Sulphate Crystals 26.7%) Calcium Arsenate (poison) 20 per cent, Lime and Filler. Standard Copper Fungicide with poison for Potato Bugs and Blight. 25 lbs. \$3.25, 50 lbs. \$6.25, 100 lbs. \$10.00.

Niagara "Six Little Dusts." for the small garden, in convenient 1 lb. cans. Per can

No. 1. Entodust. Controls plant eating insects.	\$4.40
No. 2. A-1 Dust. Controls sucking insects.	.60
No. 3. D-6 Dust. Controls blight, mildew, fungus troubles.	.45
No. 4. Pomodust. Controls rose bush troubles.	.35
No. 5. D-20 Dust. Insecticide and Fungicide for vegetables.	.50
No. 6. All-in-one. General dust.	.60

Write us for The Niagara Garden Police Book.

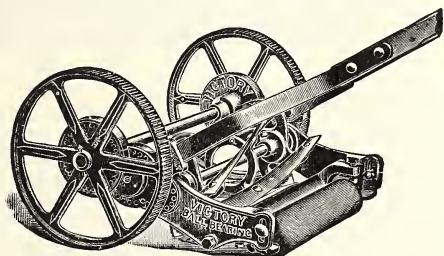
Townsend's "VICTORY" Ball Bearing

Named after the flagship of one of the greatest naval heroes that ever lived—Nelson's "VICTORY," and like that immortal admiral, it is in a class by itself. Both are incomparable.

Ball Bearings of the very highest grade, exact to $\frac{1}{4}$ of 1-1000 of an inch, which reduce the friction astonishingly. IT IS MADE LIKE A WATCH.

Specifications. 10" wheel, $5\frac{1}{2}$ " reel, 4 blades.

Lower blade of crucible steel, hardened and tempered—the best in America. About the only one that is hardened.



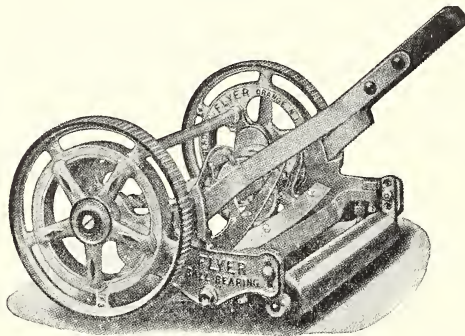
Price, 16 inch \$18.00 18 inch \$20.00

Townsend's "FLYER" Ball Bearing

A good, free cutting, easy running mower with open wheel and frame, made on the two-gear principle.

Has 9" wheels, four bladed reel, the finest hardened bottom knife, and the famous TOWNSEND FINISH.

This mower has been a favorite with our customers for a number of years.



Price, 16 inch \$12.00

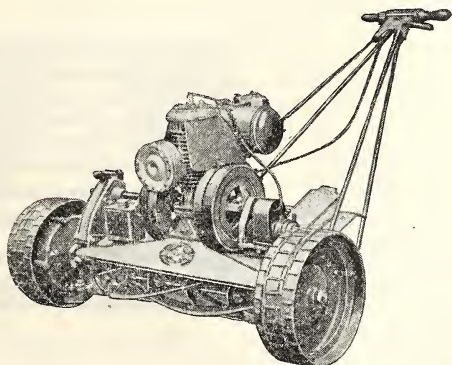
Agents for

Jacobsen Power Lawn Mowers

Write us for special catalogue

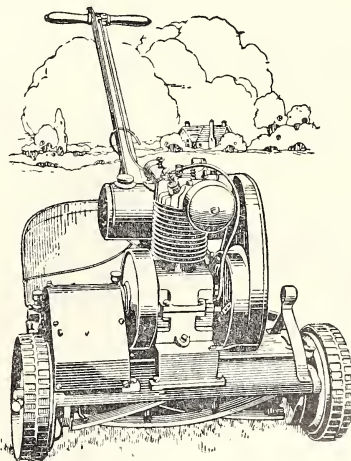
The Jacobsen 4-Acre Mower

is the most widely known power mower in use today. It is the father of the Jacobsen line, and is used for so many different classes of work—on large private lawns, on industrial, school and hospital grounds, in parks and cemeteries, and other places where a sturdy, fast, powerful mower is required.



Jacobsen "Junior" Power Lawn Mower

This mower is designed particularly for work on moderately large lawns or lawns with numerous obstructions or terraces. The cutting reel is 19 inches wide and has five crucible steel blades, and is mounted on Timken Roller Bearings. It will mow two to three acres a day on a gallon of gas.



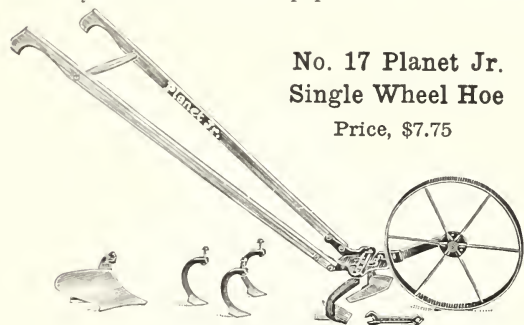
Planet Jr.

GARDEN TOOLS

"A tool for every need."

Send for Planet Jr. Catalogue of the complete line — free on request.

We carry in stock all the latest models but list below only a few of the most popular.



No. 17 Planet Jr.
Single Wheel Hoe

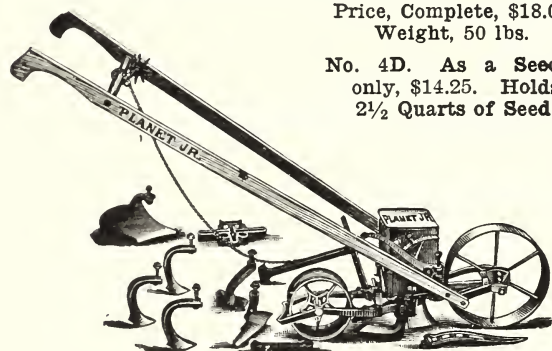
Price, \$7.75

The No. 17 has a pair of 6-inch hoes, a plow and a set of 3 cultivator teeth, as illustrated above.

No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow

Price, Complete, \$18.00
Weight, 50 lbs.

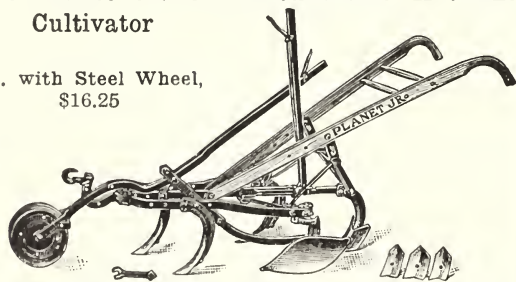
No. 4D. As a Seeder
only, \$14.25. Holds
2½ Quarts of Seed



For use as a cultivator, the drill parts are removed and the tool frame substituted by changing but one bolt; it is then a perfect single wheel hoe, with a variety of tools.

No. 8 Planet Jr. Combined Horse Hoe and Cultivator

Price, with Steel Wheel,
\$16.25



Equipment: Four 3x8-in. plates, one 4x8-in. plate two 6-in. side hoes, one 7-in. shovel, level wheel, level expander. Depth regulator.

This is a general favorite. Easily understood and operated. The tool is especially strong; braced to make a stiff, unyielding tool intended for long service

MARCH Automatic RAINMAKERS



Sprinkles rectangles, not circles. Covers large areas rapidly without overlapping, and is quickly adjusted to water small spaces. Sprinkles along edge of walks or drives without wetting them. Ordinary water pressure from lawn hose turns the pipe line of nozzles as an axis, throwing the streams of water from one side over to the other with a constant steady swing. Thousands in use on city lawns, large estates, golf courses, cemeteries, and parks.

MADE IN FOUR SIZES—WATERING FROM
1200 to 3000 SQUARE FEET AT A SETTING.

Write for prices and literature.

NEPONSET PAPER FLOWER POTS

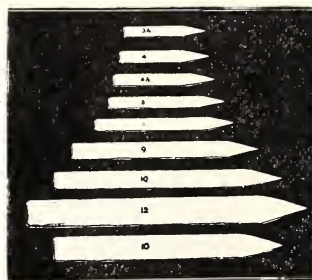
The Neponset Paper Flower Pot is a waterproof paper pot made from a tough fibre paper, and is especially adapted to the florist, gardener and nursery trade.



Size	Doz.	100
2¼ inch	\$.10	\$.50
2½ " "	.12	.60
3 " "	.15	.90
3½ " "	.18	1.00
4 " "	.25	1.25
5 " "	.35	2.00
6 " "	.40	2.75

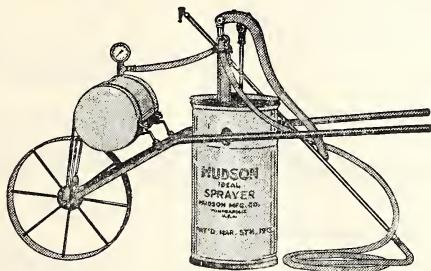
PAINTED WOOD LABELS

	100	1000
4 in. Pot	\$0.25	\$1.70
4½ " "	.30	1.90
5 " "	.35	2.10
6 " "	.40	2.50
10 " "	.75	5.40
12 " "	.95	6.60
8 " Garden	.80	6.50
10 " "	1.00	8.00
12 " "	1.35	11.00



3½ in. Copper Wired Labels

100 1000
\$0.40 \$2.30

HUDSON IDEAL SPRAYER

The Hudson Ideal Sprayer is a high pressure portable outfit, capable of developing a pressure of 200 pounds. Capacity of tank 15 gallons. Shipping weight 100 pounds.

No. 33 Ideal Sprayer Price, \$33.00 each

HUDSON PERFECTION SPRAYER

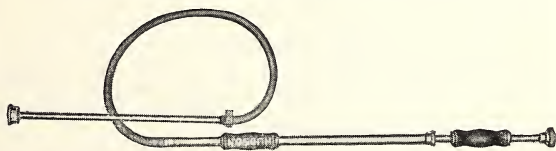
For gardening, whitewashing and general use. Capacity about four gallons.

Perfection, galvanized.
Price each, \$6.00

Perfection, brass.
Price each, \$8.50

Hudson Junior similar to the Perfection but smaller. Tank holds about 2½ gallons.

Galvanized Junior.
Price, \$4.50 each

HUDSON TROMBONE SPRAYER

The Hudson Trombone Sprayer is a high pressure spray pump adapted for spraying orchards, shrubbery, shade trees, potatoes and field crops.

It is double acting, maintaining a steady discharge without undue exertion on the part of the operator.

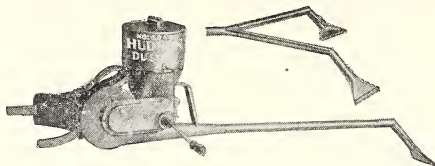
No. 123. Hudson Trombone Sprayer...Price, \$4.50 each

HUDSON MISTY SPRAYER

The Hudson Misty Sprayer is a favorite with the housewife. It is suitable for use in a small garden, around the dairy barn, chicken coops, etc.

Misty Sprayer, capacity one quart. Price, 50c each

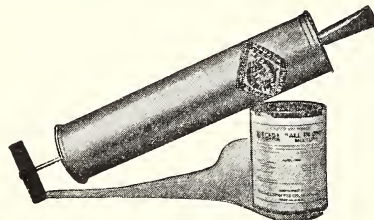
Midget Sprayer, capacity one pint. Price, 35c each

HUDSON No. 604 DUSTER

The No. 604 Hudson Duster delivers sufficient air to the nozzles to prevent clogging and breaks the powder into a fine, floating dust. It has two agitators, and the Indicator has an unusual range of adjustment and can be set to feed exactly the amount of powder required.

Made of lead coated steel, painted and finished. Discharge equipment consists of two nozzles, two elbows, a Wye connection, and four 15" tubes. Can be arranged to dust plants from above or from below, for dusting bushes, etc. Can be used with either one or two nozzles. Capacity 5 to 10 pounds, depending on powder used.

Price \$15.00

NIAGARA HAND PLUNGER GUN

A practical duster for small gardens, rose bushes, shrubs, or in any place where the various dry powders are to be applied in small quantities.

Price \$1.25 each

THE "HARRIS READY-TO-USE" LOCKED PLANT BAND

The principle evolved in the Plant Band is not a new one. The one feature which has prevented the general use of plant bands has been the time and labor required in making them up by hand. This disadvantage has been entirely eliminated by the bands which this Company offers to the trade, which are truly what the name implies "Ready-To-Use."

Size 2" x 2" x 2½".

Carton 250, \$1.00. Less than carton 1 cent each.

GREEN DYED BAMBOO STAKES

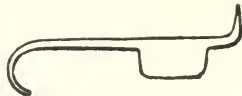
Length	Diameter	Doz.	100
2 ft.	¼ in.	\$0.12	\$0.75
4 ft.	¼ in.	.18	1.00

HEAVY PLAIN BAMBOO STAKES

Length	Diameter	Doz.	100
46 in.	½ in.	\$0.55	\$3.50
5 ft.	½ in.	.80	6.00
6 ft.	½ in.	.85	6.50
7 ft.	¾ in.	1.25	9.00



Pruning Shears



Grafting Chisel



Norcross Cultivator Hoes



Potato Hook



Shovel



Wood Lawn Rake



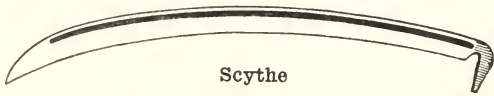
Asparagus Knife



Haseltine Weeder



Excelsior Weeder



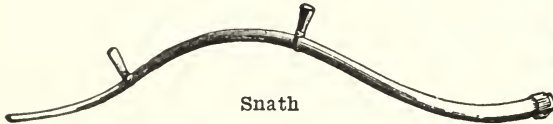
Scythe



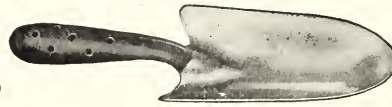
Scuffle Hoe



Spading Fork



Snath



Trowel



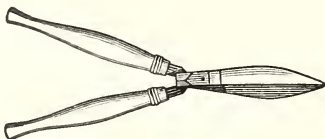
Manure Fork



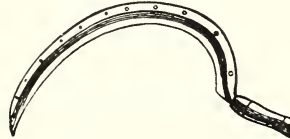
Garden Hoe



Garden Line Reel



Hedge Shears



Grass Hook



Edging Knife



Hay Fork



Garden Rake



Garden Line



Wire Fruit Picker

Asparagus Knife

Made of Solid Steel. Goodell Double Point, P. P. Weight 1 lb..40c.

Edging Knife

Long handle\$1.15
D handle 1.35

Forks

Manure, 4 Tine D handle....\$1.75
5 Tine D handle..... 2.00
6 Tine D handle..... 2.25
Hay, 3 Tine (all lengths of handle)\$1.75
Spading, 4 Tine D handle....\$2.00
4 Tine long handle 1.60

Fruit Picker

..... 60c.

Grafting Chisel

Made from the finest cast steel. 75c.

Grafting Wax (Trowbridge)

The best on the market. ¼ lb. pkg. 15c., ½ lb. pkg. 25c., 1 lb. pkg. 45c.

Garden line

Italian Hemp, 100 feet\$1.50

Grass Hooks

Meadow King35c.
Nolan85c.

Hoes

8 in. Meadow\$1.30
9 in. Meadow 1.35
Warren 1.25
Onion 1.20
Boys'85
Ladies'75

Potato Hooks

5 Tine\$1.40
6 Tine 1.50

Pruning Saws

Disston No. 9\$2.25
Disston No. 15 3.00

Rakes—Steel—Garden

12 Tooth \$1.00
14 Tooth 1.20
16 Tooth 1.40
Wood—Lawn90
Wood—Hay75

Scythes

Grass\$1.75
Bush 1.75

Scythe Snaths

Regular\$1.50
Bush 1.75

Shears, Pruning

Taylor Pattern, with coil spring, 9 inches\$0.50
California Pattern, with volute spring, 9 inches75
Swiss Pattern, polish, 9 inches 1.75

Shears, Grass

True Vermonter \$1.25
No. 26350
No. 19—Cronk 1.75
Goodwin 2.00

Shears, Hedge

9 inch notched\$2.75
6 inch ladies' 2.00

Scuffle Hoes

8 inch blade \$1.25

Trowels

No. 25 Eagle15c.
No. 809 Solid Steel25c.
No. 100 Socket Pattern40c.
Keystone 6 inch75c.

Weeders

Excelsior20c.
Haseltine50c.
Midget Norcross. Short handle for hand work40c.
3-Prong Norcross85
5-Prong Norcross 1.10
Diamond25

PLANTING TABLE

Quantity of Seeds or Number of Plants Required for a Row 100 Feet in Length, with Distance to Plant and Time for Planting

Kind of Vegetable	Seeds or Plants Required for 100 Feet of Row	Distance for Plants to Stand Hand Cultivation		Depth of Planting	Time of Planting in Open Ground	Ready for Use After Planting
		Rows Apart	Plants Apart in Rows			
Asparagus, seed.	1 ounce	1 to 2 ft.	3 to 5 in.	1 to 2 in.	Early spring	3 to 4 years
Asparagus, plants	60-80 plants	12 to 24 in.	15 to 20 in.	3 to 5 in.	Early spring	2 to 3 years
Beans, bush.....	2 pounds	18 to 24 in.	3 to 4 in.	1 to 2 in.	April to July	40 to 60 days
Beans, pole.....	1 pound	8 to 4 ft.	3 to 4 ft.	1 to 2 in.	May and June	50 to 80 days
Beets	2 ounces	12 to 18 in.	5 or 6 to ft.	1 to 2 in.	April, May and June	90 to 120 days
Cabbage, early...	½ ounce	24 to 30 in.	12 to 18 in.	½ in.	April and May. (Start in hot- bed during March).....	90 to 130 days
Cabbage, late....	½ ounce	24 to 36 in.	16 to 24 in.	½ in.	May and June	90 to 130 days
Carrot	1 ounce	18 to 24 in.	6 or 7 to ft.	½ in.	April to June	75 to 110 days
Cauliflower	½ ounce	24 to 30 in.	14 to 18 in.	½ in.	April to June. (Start in hot- bed during March).....	100 to 130 days
Corn, sweet	1 pound	30 to 36 in.	30 to 36 in.	1 to 2 in.	May and June	90 to 120 days
Cress	½ ounce	12 to 18 in.	4 or 5 to ft.	½ to 1 in.	March to May. April to June	30 to 40 days
Cucumber	½ ounce	4 to 6 ft.	4 to 6 ft.	1 to 2 in.	May to July	80 to 100 days
Endive	1 ounce	18 in.	8 to 12 in.	½ in.	May	90 to 110 days
Kohl-rabi	½ ounce	18 to 24 in.	4 to 8 in.	½ in.	April to June	60 to 90 days
Lettuce	½ ounce	12 to 18 in.	4 to 6 in.	½ in.	April to August	60 to 90 days
Melon, muskmelon	1 ounce	6 to 8 ft.	Hills 6 ft.	1 to 2 in.	May and June	120 to 150 days
Melon, watermelon	1 ounce	8 to 12 ft.	Hills 10 ft.	1 to 2 in.	May and June	100 to 120 days
Mustard	½ ounce	12 to 18 in.	4 or 5 to ft.	¼ in.	April and May	60 to 90 days
Onion, seed.....	1 ounce	12 to 18 in.	4 or 5 to ft.	½ to 1 in.	April and May	130 to 150 days
Onion, sets.....	1 quart of sets	12 to 18 in.	4 or 5 to ft.	1 to 2 in.	March to May	90 to 120 days
Parsley	1 ounce	12 to 18 in.	3 to 6 to in.	¼ in.	Early spring	90 to 120 days
Parsnip	1 ounce	18 to 24 in.	5 or 6 to ft.	½ to 1 in.	April and May	125 to 160 days
Peas	2 pounds	30 to 36 in.	15 to ft.	2 to 3 in.	March to July	60 to 90 days
Pepper	½ ounce	18 to 24 in.	15 to 18 in.	½ in.	May and June	100 to 120 days
Potato, Irish	5 lbs. (or 9 bu. per acre)	24 to 36 in.	14 to 18 in.	4 in.	April to June	80 to 140 days
Pumpkin	1 ounce	8 to 12 ft.	Hills 8 to 12 ft.	1 to 2 in.	May to July	100 to 140 days
Radish	1 ounce	12 to 18 in	8 or 12 to ft.	½ to 1 in.	March to September	20 to 40 days
Rhubarb, plants..	3 plants	3 to 5 ft.	3 ft.	2 to 3 in.	Early spring	1 to 3 years
Rutabaga	1 ounce	18 to 24 in.	6 to 8 in.	½ in.	May and June	60 to 80 days
Spinach	2 ounces	12 to 18 in.	7 or 8 to ft.	1 to 2 in.	September or early spring.....	40 to 60 days
Squash, bush	1 ounce	3 to 4 ft.	Hills 3 to 4 ft.	1 to 2 in.	May and June	70 to 90 days
Squash, late.....	1 ounce	7 to 10 ft.	Hills 7 to 9 ft.	1 to 2 in.	May and June	120 to 160 days
Turnip	1 ounce	18 to 24 in.	6 or 7 to ft.	¼ to ½ in.	May to July	60 to 80 days

TABLE SHOWING THE QUANTITY OF SEED USUALLY SOWN UPON AN ACRE

Barley, broadcast	2 to 3 bush.	Onion Sets, in drills	8 bush.
Beans, Dwarf, in drills	1 ¼ bush.	Parsnip, in drills	5 lbs.
Beans, Pole, in hills	10 to 12 qts.	Peas, Canada field, broadcast	120 to 150 lbs.
Beets, Table, in drills	6 lbs.	Peas, Canada field, with oats	75 to 90 lbs.
Beets, Mangel-Wurzel	6 lbs.	Peas, cow, broadcast	60 to 75 lbs.
Buckwheat	1 bush.	Peas, cow, in drills	45 to 60 lbs.
Cabbage, in beds to transplant	¼ lb.	Potatoes (Cut Tubers)	10 bush.
Carrot, in drills	3 to 4 lbs.	Pumpkins, in hills	4 lbs.
Clover, Alsike, alone	5 to 6 lbs.	Radish, in drills	8 lbs.
Clover, Alsike, in mixture	2 to 4 lbs.	Rye, broadcast	1 ½ bush.
Clover, Crimson	12 to 15 lbs.	Rape, broadcast	6 to 8 lbs.
Clover, Red, alone	8 to 12 lbs.	Rape, in drills	4 to 5 lbs.
Clover, Red, in mixture	4 to 6 lbs.	Sage, in drills	8 lbs.
Clover, Sweet, unhulled	25 to 30 lbs.	Spinach, in drills	10 lbs.
Clover, White,	4 to 8 lbs.	Squash (Bush Varieties), in hills	2 lbs.
Clover, Lucerne or Alfalfa	20 lbs.	Squash (Running Varieties), in hills	4 lbs.
Corn, Sweet, in hills	10 qts.	Soy Beans, broadcast	60 to 90 lbs.
Corn, for ensilage	16 qts.	Soy Beans, in drills	30 to 45 lbs.
Cucumber, in hills	2 lbs.	Soy Beans, in drills with corn	15 to 20 lbs.
Grass, Kentucky Blue	42 lbs.	Sunflower	6 to 8 lbs.
Grass, Orchard	22 lbs.	Tomato, to transplant	¼ lb.
Grass, Red Top (Recleaned)	6 lbs.	Turnip, broadcast	2 lbs.
Grass, Timothy	½ bush.	Turnip, in drills	1 ½ lbs.
Grass, Hungarian	1 bush.	Vetch, Hairy, drilled (plus 1 bu. small grain)	40 to 50 lbs.
Grass, Lawn	75 lbs.	Vetch, Hairy, broadcast plus 1 bu. small grain)	50 to 60 lbs.
Melon, Musk, in hills	2 to 3 lbs.	Vetch, Spring, plus 1 bu. small grain	80 lbs.
Melon, Water, in hills	4 to 5 lbs.	Wheat, broadcast	1 ½ to 2 bush.
Millet, Japanese	20 lbs.		
Millet, Golden	1 bush.		
Oats, broadcast	2 to 3 bush.		
Onion, in drills	5 lbs.		

